



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

F. W. DEVOE & G. T. RAYNOLDS CO.

Cor. Fulton and William Streets

NEW YORK CITY

MANUFACTURERS OF

1. 5. 468 5



Harvard College Library

FROM

The Institute

er

and

dies

09
LA

h 19

TS
09
TE

MUSIC HALL, ACADEMY OF MUSIC

November 19, December 17, January 13, February 11, March 11

Biological Laboratory

Cold Spring Harbor, L. I.

(30 Miles from Brooklyn)

A new Dormitory (for women) and new laboratories have been constructed for the use of summer students, and are fully furnished



For Circulars and information address

THE BROOKLYN INSTITUTE, Academy of Music Building
Lafayette Avenue, Between Fulton Street and Flatbush Avenue
BROOKLYN, N. Y.

FINE BOOKLETS

For Schools and Educational Institutions

WE have absolutely the best selection of types and papers of any printing office in this city. Our facilities are well known, and we are ready at any time to quote reasonable prices on any kind of printing. A call for 6200 Main will bring our representative.

WE AIM TO GIVE GOOD SERVICE

BROOKLYN EAGLE PRINTING OFFICE
WASHINGTON AND JOHNSON STS., BROOKLYN

The New Steinway
Five-Foot-Ten-Inch
Miniature Grand
Piano

(Trade Marked)

is proving a constant and increasing source of wonderment and delight to all musicians and music-lovers. Scientific experiments and acoustical researches have determined the exact size, namely, five feet ten inches, necessary to reproduce the remarkable attributes and qualities of our larger Grand Pianos. Any Grand under this size crosses the danger line, as it cannot yield a tonal result superior to that of the discarded Square or the present Upright Piano. The full, rich and sweet tone of the Steinway Miniature Grand and its dainty appearance are already giving the utmost satisfaction to thousands of purchasers, and we recommend a thorough examination and trial of this unique instrument to anybody desirous of possessing a Grand Piano, but who does not wish to exceed the investment of \$800 in a Piano Purchase.

STEINWAY & SONS,

Steinway Hall, 107 and 109 East 14th St.

NEW YORK.

Subway Express Station at the Door.

**THE BROOKLYN INSTITUTE
OF ARTS AND SCIENCES**

1907-1908

*"Promote as an object of primary importance
institutions for the increase and diffusion of
knowledge."*

GEORGE WASHINGTON

In his Farewell Address.



MAIN ENTRANCE—CENTRAL MUSEUM



NORTH FACADE OF THE CENTRAL MUSEUM
EASTERN PARKWAY AND WASHINGTON AVENUE

W
TE
C
CHAI
ST

THE
TWENTIETH YEAR BOOK

OF

THE BROOKLYN INSTITUTE
OF ARTS AND SCIENCES

FOUNDED 1824

**CHARTERED IN 1824; RECHARTERED IN 1843 AND 1862
THE PRESENT CHARTER GRANTED IN 1890**

1907-1908

CONTAINING

THE NAMES OF THE OFFICERS, COPIES OF THE CON-
STITUTION AND BY-LAWS, A BRIEF HISTORY OF THE
INSTITUTE, AN ACCOUNT OF THE WORK OF
1907-1908, AND A COPY OF THE LAWS
RELATING SPECIFICALLY TO
THE CORPORATION

"For the People by the People."

**BROOKLYN:
PUBLISHED BY THE INSTITUTE
1908**

LS 4686.5



The Institute

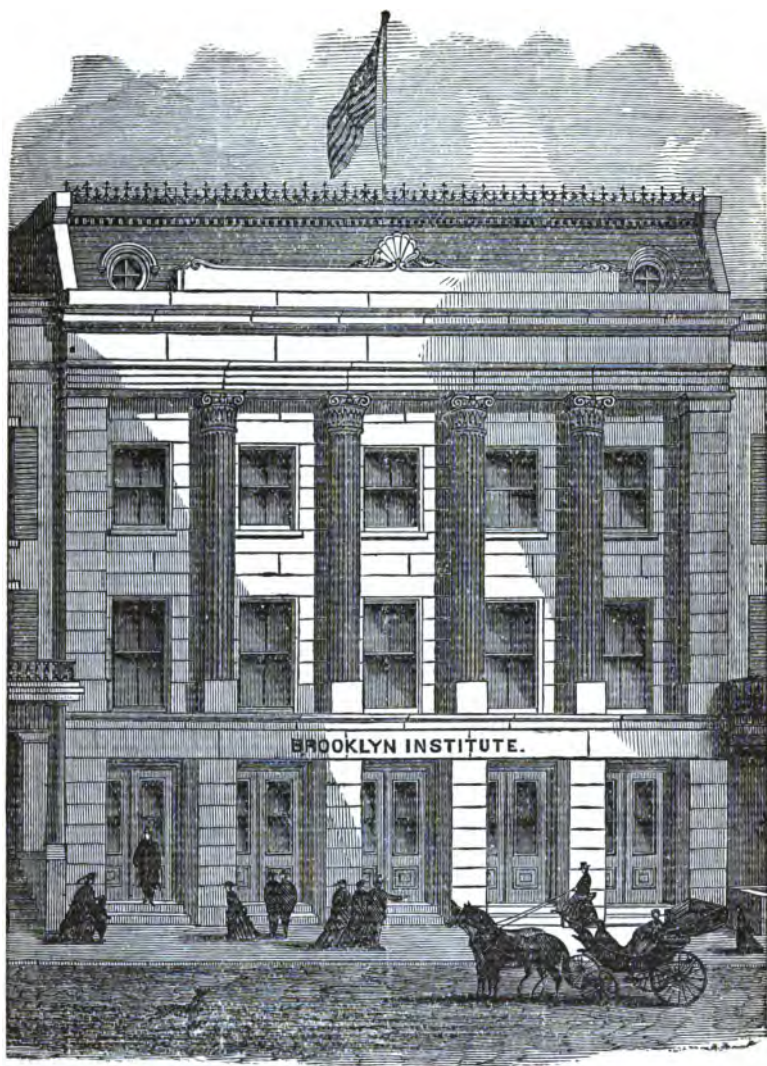


CONTENTS

	PAGE
BOARD OF TRUSTEES.....	9
COMMITTEES OF THE BOARD.....	10
PAST OFFICERS OF THE BOARD.....	12
COUNCIL OF ASSOCIATE MEMBERS.....	13
COMMITTEES OF ASSOCIATE MEMBERS.....	14
OFFICERS, CURATORS, AND ASSISTANTS.....	15
BENEFACITOR	19
PAST HONORARY MEMBERS	20
HONORARY MEMBERS	21
PAST FELLOWS	21
FELLOWS	22
PATRONS	23
PERMANENT MEMBERSHIPS	23
LIFE MEMBERSHIPS	26
CORRESPONDING OR NON-RESIDENT MEMBERS.....	32
In Memoriam	39
A BRIEF HISTORY OF THE INSTITUTE.....	41
TABLES SHOWING GROWTH OF THE INSTITUTE.....	81
CONSTITUTION	84
BY-LAWS	96
GENERAL LECTURES	98
DEDICATION OF MUSEUM.....	100
THE GRAHAM FOUNDATION LECTURES.....	123

	PAGE
EXHIBITIONS BY DEPARTMENTS	123
WORK OF THE DEPARTMENTS:	
ARCHITECTURE	126
ASTRONOMY	128
BOTANY	132
CHEMISTRY	135
DOMESTIC SCIENCE	137
ELECTRICITY	140
ENGINEERING	142
ENTOMOLOGY	144
ETHNOLOGY	148
FINE ARTS	150
THE TISSOT COLLECTION OF PICTURES.....	155
GEOGRAPHY	157
GEOLOGY	162
LAW	164
MATHEMATICS	167
MICROSCOPY	168
THE MICROSCOPICAL EXHIBITION.....	170
MINERALOGY	173
MUSIC	177
PAINTING	190
PEDAGOGY	192
THE SCHOOL OF PEDAGOGY.....	197
PHILOLOGY	202
PHILOSOPHY	214

WORK OF THE DEPARTMENTS (<i>Continued</i>):	PAGE
PHOTOGRAPHY	217
THE PHOTOGRAPHIC EXHIBITION.....	220
PHYSICS	223
POLITICAL SCIENCE	225
PSYCHOLOGY	233
ZOOLOGY	235
PHILATELY	238
JAMAICA BRANCH	240
FLUSHING BRANCH	241
TABLE SHOWING MEMBERSHIP	242
MEMBERSHIP OF DEPARTMENTS	243
THE BIOLOGICAL LABORATORY.....	244
MUSEUM COLLECTION FUND	251
ENDOWMENT FUNDS	255
TREASURER'S ANNUAL REPORT	258
ACCESSIONS TO MUSEUMS	263
ACCESSIONS TO LIBRARY OF CHILDREN'S MUSEUM.....	277
THE BOTANIC GARDEN AND ARBORETUM LAW.....	278
THE ASTRONOMICAL OBSERVATORY LAW.....	281
THE AMENDMENT TO THE CITY CHARTER.....	284
THE LAW RELATING TO THE CHILDREN'S MUSEUM.....	285
THE PROSPECT HEIGHTS IMPROVEMENT LAW.....	288



OLD WASHINGTON STREET BUILDING, OCCUPIED 1835-1891

BOARD OF TRUSTEES

1908-1909

OFFICERS OF THE BOARD

A. AUGUSTUS HEALY	<i>President</i>
HON. CHARLES A. SCHIEREN	<i>First Vice-President</i>
HON. CARLL H. DE SILVER	<i>Second Vice-President</i>
COL. ROBERT B. WOODWARD	<i>Third Vice-President</i>
GATES D. FAHNESTOCK	<i>Treasurer</i>
GEORGE C. BRACKETT	<i>Secretary</i>

MEMBERS OF THE BOARD

The Hon. GEORGE B. MCCLELLAN, Mayor of New York, *ex-officio*.

The Hon. BIRD S. COLER, President of the Borough of Brooklyn, *ex-officio*.

The Hon. MICHAEL J. KENNEDY, Park Commissioner, *ex-officio*.

Term expires in 1909.

COL. ROBERT B. WOODWARD	THOMAS T. BARR
HON. WILLIAM B. DAVENPORT	HON. FRANK SQUIER
CLARENCE W. SEAMANS	FRANK S. JONES
LYSANDER W. LAWRENCE	HARRINGTON PUTNAM
REV. S. PARKES CADMAN, D.D.	P. A. VALENTINE

Term expires in 1910.

A. A. LOW	JAMES MCMAHON
COL. HENRY T. CHAPMAN	JOHN B. LADD
REV. EDWARD W. MCCARTY	HENRY H. BENEDICT
JOHN S. FROTHINGHAM	FRANK HEALY
ANDREW T. SULLIVAN	GATES D. FAHNESTOCK

Term expires in 1911.

HON. CHARLES A. SCHIEREN	HON. DAVID A. BOODY
ELIJAH R. KENNEDY	MARTIN JOOST
E. LE GRAND BEERS	J. ADOLPH MOLLENHAUER
JULIAN D. FAIRCHILD	ROBERT R. WALBRIDGE
CHARLES JONES PEABODY	

Term expires in 1912.

HON. CARLL H. DE SILVER	JACOB G. DETTMER
HON. WILLIAM J. COOMBS	HORACE J. MORSE
GEORGE C. BRACKETT	HENRY BATTERMAN
WILLIAM DICK	HON. JAMES R. HOWE
GEORGE A. HEARN	GEORGE D. PRATT

Term expires in 1913.

A. AUGUSTUS HEALY	ABRAHAM ABRAHAM
ALEXANDER E. ORR	R. R. BOWKER
LOWELL M. PALMER	HERMAN STUTZER
HON. ALFRED T. WHITE	ARTHUR M. HATCH
SANFORD H. STEELE	WALTER H. CRITTENDEN

COMMITTEES OF THE BOARD OF TRUSTEES

1908-1909

EXECUTIVE COMMITTEE

A. AUGUSTUS HEALY	GATES D. FAHNESTOCK
HON. CARLL H. DE SILVER	WALTER H. CRITTENDEN
HON. WILLIAM J. COOMBS	COL. ROBERT B. WOODWARD
GEORGE C. BRACKETT	THOMAS T. BARR
ALFRED T. WHITE	E. LE GRAND BEERS

HERMAN STUTZER

Committee of Ways and Means

THOMAS T. BARR	HON. WILLIAM J. COOMBS
HON. WILLIAM B. DAVENPORT	MARTIN JOOST
	HENRY BATTERMAN

Committee on Museum of Art

HON. CARLL H. DE SILVER	COL. HENRY T. CHAPMAN
COL. ROBERT B. WOODWARD	GEORGE C. BRACKETT
	WALTER H. CRITTENDEN

Committee on Museums of Science

COL. ROBERT B. WOODWARD	HORACE J. MORSE
ABRAHAM ABRAHAM	FRANK S. JONES
	HERMAN STUTZER

Committee on Ethnology

HERMAN STUTZER	HON. FRANK SQUIER
HON. CHARLES A. SCHIEREN	CHARLES JONES PEABODY
	FRANK HEALY

Committee on Libraries

GEORGE C. BRACKETT	HON. DAVID A. BOODY
JAMES McMAHON	GATES D. FAHNESTOCK
	R. R. BOWKER

Committee on Lectures

HON. WILLIAM J. COOMBS	CLARENCE W. SEAMANS
ARTHUR M. HATCH	REV. EDWARD W. McCARTY
	ROBERT R. WALBRIDGE

Committee on Education

GEORGE C. BRACKETT	REV. S. PARKES CADMAN, D.D.
HENRY H. BENEDICT	JOHN B. LADD
	ANDREW T. SULLIVAN

Committee on Music

WALTER H. CRITTENDEN	CHARLES JONES PEABODY
JOHN S. FROTHINGHAM	GEORGE A. HEARN
	HENRY BATTERMAN

Committee on Botanic Garden and Arboretum

ALFRED T. WHITE	HON. CHARLES A. SCHIEREN
LOWELL M. PALMER	GEORGE C. BRACKETT
	J. ADOLPH MOLLENHAUER

Committee on Astronomical Observatory

GEORGE C. BRACKETT	ALFRED T. WHITE
HON. CHARLES A. SCHIEREN	P. A. VALENTINE
	SANFORD H. STEELE

Committee on Membership

E. LE GRAND BEERS	JACOB G. DETTMER
ELIJAH R. KENNEDY	HON. JAMES R. HOWE
	JULIAN D. FAIRCHILD

PAST OFFICERS OF THE BOARD OF TRUSTEES

DATE	PRESIDENT	TREASURER	SECRETARY
THE BROOKLYN APPRENTICES' LIBRARY ASSOCIATION			
Aug. 28, 1823.....	Robert Snow	Andrew Mercein	Robert Nichols.
May 15, 1826.....	"	Losee Van Nostrand	"
Nov. 8, 1828.....	"	"	Gabriel Furman.
Jan. 9, 1832.....	Fanning C. Tucker	"	Abraham Vandever.
Feb. 9, 1833.....	"	"	Gabriel Furman.
Feb. 1, 1840.....	Augustus Graham	Philip J. Arcularius	Francis Dow.
April 16, 1842.....	"	"	Henry G. Nichols.
Oct. 8, 1842.....	"	Charles M. Olcott	"
THE BROOKLYN INSTITUTE			
Jan. 12, 1852.....	Charles M. Olcott	Gerrit Smith	John W. Pray.
Sept. 3, 1853.....	Rollin Sanford	"	"
May 17, 1856.....	"	Thomas Rowe	"
May 9, 1857.....	Peter G. Taylor	"	"
May 20, 1865.....	"	"	Alfred R. Young.
June 14, 1866.....	"	Duncan Littlejohn	"
May 2, 1870.....	William Everdell, Jr.	"	John B. Woodward.
May 4, 1878.....	John B. Woodward	"	Alfred T. Baxter.
May 3, 1879.....	Jesse C. Smith	"	"
May 1, 1886.....	"	"	Arthur Littlejohn.
Nov. 11, 1886.....	"	Charles L. Woodbridge	"
Nov. 14, 1887.....	"	Theodore E. Smith	John B. Woodward.
Nov. 14, 1887.....	John B. Woodward	"	Robert B. Woodward.
March 2, 1889.....	"	William Potts	"
Oct. 4, 1890.....	"	Franklin W. Hooper	"
Nov. 1, 1890.....	"	George C. Brackett	"
THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES			
May 17, 1890.....	John B. Woodward	Edwin Beers	Prof. Robert Foster.
April 11, 1891.....	"	Eugene G. Blackford	"
April 6, 1894.....	"	"	William H. Maxwell.
May 3, 1895.....	A. Augustus Healy	Felix Campbell	"
June 5, 1896.....	"	William B. Davenport	"
May 13, 1898.....	"	"	George C. Brackett.
May 1, 1904.....	"	Gates D. Fahnestock	"

COUNCIL OF ASSOCIATE MEMBERS

1908-1909

Rev. L. MASON CLARKE, D.D., *President*

JAMES CRUIKSHANK, LL.D., *Secretary*

Prof. JOHN S. MCKAY, Ph.D., *Treasurer*

Prof. JULIAN W. ABERNETHY, Ph.D.	Berkeley Institute
Hon. JAMES D. BELL	Borough Hall
Prin. LYMAN A. BEST, B.Sc.	748 Carroll Street
Prof. JOSEPH BOWDEN, Ph.D.	Adelphi College
HERBERT L. BRIDGMAN, M.A.	604 Carlton Avenue
Rev. FREDERIC CAMPBELL, B.A., M.A.	30 First Place
Prof. HENRY E. CHAPIN, D.Sc.	Richmond Hill, L. I.
Rev. L. MASON CLARKE, D.D.	128 Henry Street
JAMES CRUIKSHANK, LL.D.	206 South Oxford Street
Prof. CHARLES B. DAVENPORT, Ph.D.	Cold Spring Harbor
Prof. IRVING W. FAY, Ph.D.	357 Ocean Avenue
WILLIAM L. FELTER, Ph.D., LL.D.	1152 Pacific Street
Prof. WILLIAM H. GOODYEAR, M.A.	958 Degraw Street
Prof. EDWARD HOWARD GRIGGS, M.A., L.H.D.	77 Grove Street, Montclair, N. J.
A. AUGUSTUS HEALY, <i>ex-officio</i>	198 Columbia Heights
J. MONROE HEWLETT, Ph.B.	29 Monroe Place
Prof. FRANKLIN W. HOOPER, M.A., <i>ex-officio</i>	71 St. James Place
NELSON P. LEWIS, B.A., C.E.	1511 Albemarle Road
J. HERBERT LOW, M.A.	177 Woodruff Avenue
WILLIAM E. MACNAUGHTAN	293 Cumberland Street
Prof. JOHN S. MCKAY, Ph.D.	5 Cambridge Place
Prof. JOHN MICKLEBOROUGH, Ph.D.	489 Putnam Avenue
WILLIAM G. ROTHE	1301 Park Place
JOHN J. SCHOONHOVEN, M.A.	1374 Union Street
Mrs. JOHN J. SCHOONHOVEN, M.L.	1374 Union Street
Prof. SAMUEL SHELDON, Ph.D.	Polytechnic Institute
Hon. FRANK SQUIER	32 Prospect Park West
Prin. LA SALLE H. WHITE, Ph.D.	9 Revere Place
R. HUNTINGTON WOODMAN	1346 Pacific Street

COMMITTEES OF ASSOCIATE MEMBERS

1908-1909

Committee on Lectures

Prof. FRANKLIN W. HOOPER, M.A. HERBERT L. BRIDGMAN
J. HERBERT LOW Prof. JULIAN W. ABERNETHY, Ph.D.
Prof. IRVING W. FAY, Ph.D.

Committee on Publication

WILLIAM L. FELTER, Ph.D., LL.D. Rev. FREDERIC CAMPBELL, M.A.
GEORGE E. ASHBY Prin. LA SALLE H. WHITE, Ph.D.
JAMES CRUIKSHANK, LL.D.

Committee on Apparatus

Prof. JOHN S. MCKAY, Ph.D. Prof. WM. C. PECKHAM, M.A.
WALLACE GOULD LEVISON, B.Sc. HENRY S. WOODMAN
Prof. SAMUEL SHELDON, Ph.D.

Committee on Membership

HERBERT L. BRIDGMAN WILLIAM L. FELTER, Ph.D., LL.D.
HON. JAMES D. BELL Mrs. JOHN J. SCHOONHOVEN
Prof. JOSEPH BOWDEN, Ph.D.

Committee on Scientific Work

Prof. J. MICKLEBOROUGH, Ph.D. EDWARD L. GRAEF
NELSON P. LEWIS, C.E. JOHN J. SCHOONHOVEN, M.A.
Prof. HENRY E. CHAPIN, D.Sc.

Committee on Art

Prof. WM. H. GOODYEAR, M.A. J. MONROE HEWLETT
HON. FRANK SQUIER Prof. EDW. HOWARD GRIGGS, M.A.
JOSEPH H. BOSTON

Reception Committee

WILLIAM W. ORCHARD, *Chairman*

THOMAS BARBER	GEORGE B. MIRANDA
CLARENCE B. BARNDOLLAR	EDWARD F. MOFFAT
AUSTIN CORNWALL	CLARENCE A. MERRITT
EDWARD L. DAME	LOUIS NEWTON
GEORGE H. DAME	CHARLES H. PARADIS
FRANK H. GIBSON	EDWARD A. SIDMAN
EDWARD B. LADD	WALTER F. SPOONER
SAMUEL LAKE	HERBERT F. TRUMAN
J. CALVIN LOCKE	JAMES E. WIGHT
MILES K. LYNCH	FRANCIS W. YOUNG

OFFICERS, CURATORS AND ASSISTANTS*

1908-1909

Professor FRANKLIN W. HOOPER, M.A. (Harvard), General Director of the Institute and Chairman of Committee on Lectures.

FREDERIC A. LUCAS, Curator-in-Chief of the Museums of the Institute.

Professor WILLIAM H. GOODYEAR, M.A. (Yale), President of the Department of Fine Arts and Curator of the Fine Arts Collection.

ALFRED G. MAYER, D.Sc. (Harvard), Honorary Curator of Natural Sciences.

Professor CHARLES B. DAVENPORT, M.A., Ph.D. (Harvard), Director of the Biological Laboratory, Cold Spring Harbor, and President of the Department of Zoölogy.

STEWART CULIN, Curator of the Ethnological Collections and Lecturer on Ethnology and Archæology.

J. MONROE HEWLETT, Ph.B. (Columbia), President of the Department of Architecture and Lecturer on Architecture.

Reverend FREDERIC CAMPBELL, B.A., M.A. (Princeton University), President of the Department of Astronomy and Lecturer on Astronomy and Geography.

Professor HENRY E. CHAPIN, B.Sc. (Boston University), M.Sc. (Michigan Agricultural College), D.Sc. (McKendree College, Ill.), President of the Department of Botany.

Professor IRVING W. FAY, Ph.D. (Berlin University), President of the Department of Chemistry and Lecturer on Chemistry.

Mrs. JOHN J. SCHOONHOVEN, M.L. (University of Illinois), President of the Department of Domestic Science.

Professor SAMUEL SHELDON, M.A., Ph.D. (Harvard), President of the Department of Electricity and Lecturer on Electricity.

NELSON P. LEWIS, B.A. (St. Stephen's College), C.E. (Troy Polytechnic), President of the Department of Engineering and Lecturer on Civil Engineering.

EDWARD L. GRAEF, Curator, Department of Entomology.

Principal LYMAN A. BEST, B.Sc. (Cornell), President of the Department of Entomology and Lecturer on Entomology.

HERBERT L. BRIDGMAN, M.A. (Amherst), President of the Department of Geography.

Professor JOHN MICKLEBOROUGH, Ph.D. (De Pauw University), President of the Department of Geology and Lecturer on Geology and Geography.

*Exclusive of the Officers of the Board of Trustees and of the Council.

Honorable JAMES D. BELL, President of the Department of Law and Lecturer on Law.

Professor JOSEPH BOWDEN, Ph.D. (Yale), President of the Department of Mathematics and Lecturer on Mathematics.

JOHN J. SCHOONHOVEN, M.A. (St. Francis Xavier), President of the Department of Microscopy.

WILLIAM G. ROTHE, President of the Department of Mineralogy.

R. HUNTINGTON WOODMAN, President of the Department of Music.

Honorable FRANK SQUIER, President of the Department of Painting.

WILLIAM L. FELTER, Ph.D. (New York University), LL.D. (Taylor University), President of the Department of Pedagogy.

Professor JULIAN W. ABERNETHY, Ph.D. (Yale), President of the Department of Philology.

Professor EDWARD HOWARD GRIGGS, M.A. (Indiana University), L.H.D. (Bowdoin College), President of the Department of Philosophy, and Lecturer on Philosophy and Literature.

WILLIAM E. MACNAUGHTAN, President of the Department of Photography.

Professor JOHN S. MCKAY, Ph.D. (Allegheny), President of the Department of Physics, and Lecturer on Physics and Electricity.

J. HERBERT LOW, M.A. (Amherst), President of the Department of Political Science, and Lecturer on Civil Government.

Professor LA SALLE H. WHITE, Ph.D. (New York University), President of the Department of Psychology and Secretary of the School of Pedagogy.

THADDEUS P. HYATT, D.D.S. (New York College of Dentistry), President of the Section on Philately.

Professor CHARLES L. HARRINGTON, M.A. (Amherst), Supervisor of Lectures and Concerts.

Professor E. L. MORRIS, Curator, Natural Sciences.

A. D. SAVAGE, Assistant Curator of Fine Arts.

Miss ANNA B. GALLUP, B.Sc. (Massachusetts Institute of Technology), Curator of the Children's Museum.

Miss SUSAN A. HUTCHINSON, Curator of Books, Museum Building.

JACOB DOLL, Curator of the Museum Collections in Entomology.

CARL SCHAEFFER, Associate Curator in Entomology.

GEORGE K. CHERRIE, Curator in Ornithology.

Miss MIRIAM S. DRAPER, Curator of Books, Children's Museum Library.

Miss MARY D. LEE, Assistant Curator, Children's Museum.

Miss ALISON BAIGRIE, Librarian's Assistant, Children's Museum.
 Mrs. CECILIA BUEK, First Assistant, Director's Office.
 Miss LENA WILSON, Second Assistant, Director's Office.
 Miss MARTHA G. STURGES, Third Assistant, Director's Office.
 J. W. CRITCHLEY, Taxidermist.
 HERBERT B. JUDY, Museum Artist.
 Miss HELEN J. AITKIN, B.A. (Rutgers Female College), Cataloguer and Labeler, Museum Building.
 Miss MARY W. ALLEN, Cataloguer, Department Libraries.
 GEORGE P. ENGELHARDT, Curator's Assistant, Children's Museum.
 Miss AGNES E. BOWEN, Assistant, Children's Museum.

WALLACE P. GROOM, Assistant Treasurer.
 Mrs. E. M. KENT, Registrar and Cashier.
 THOMAS F. CASEY, Keeper of the Museum Buildings.
 Miss MARGARET C. TURNER, Stenographer in Treasurer's Office.
 Miss CORNELIA R. CUMMINGS, Assistant Registrar in Treasurer's Office.
 GUSTAVE F. KNORPP, Assistant in Ticket Office.
 Miss MARY E. DEAN, Assistant in Ticket Office.
 WILLIAM JACKSON, Assistant in Ticket Office.
 ADOLPH G. MEYER, Superintendent of Lecture and Assembly Halls, and Lantern Operator.
 BENJAMIN H. WRIGHT, Assistant, Director's Office.
 WILLIAM KNORPP, Messenger at Institute Office.
 LEWIS T. HART, Chief Engineer, Museum Building.
 JAMES BRANDRETH, Assistant Engineer, Museum Building.
 WILLIAM FLINN, Assistant Engineer, Museum Building.
 ALFRED D. ESTERBROOK, Chief Attendant, Museum Building.
 Miss MARIE M. HOLSKE, Stenographer and Assistant, Museum Building.
 Miss LOUISE HOLSKE, Stenographer, Museum Building.
 Miss MARGARET W. CARMICHAEL, Stenographer and Clerk, Children's Museum.
 LAWRENCE E. ERICSON, First Assistant Taxidermist.
 JOHN BENDER, Cabinet Maker.
 CHARLES HANSEN, Cabinet Maker's Assistant.
 CHARLES HOTALING, Printer, Museum Building.
 FRANK J. BAUER, Assistant Printer, Museum Building.
 JAMES R. CLEVELAND, Doorkeeper, Museum Building.

AUGUST T. DEKINS, Mechanic and Assistant, Museum Building.
 RALPH L. HANDFORD, Electrician, Museum Building.
 FREDERICK NIBLOCK, Preparator, Fine Arts Department, Museum Building.
 FREDERICK ALTMAN, Second Assistant Taxidermist.

THOMAS IRWIN, Night Watchman, Museum Building.
 P. F. CASEY, Night Watchman, Museum Building.
 WILLIAM GALLAGHER, Attendant, Museum Building.
 GEORGE W. HALL, Attendant, Museum Building.
 Mrs. NELLIE HICKS, Attendant, Museum Building.
 Mrs. MAGGIE LYNCH, Cleaner, Museum Building.
 Mrs. P. J. HIGGINS, Cleaner, Museum Building.
 Mrs. ELLA KISSICK, Cleaner, Museum Building.
 LOUIS KUPPER, Fireman, Museum Building.
 JAMES MCMAHON, Fireman, Museum Building.
 JAMES A. MCDEVITT, Fireman, Museum Building.
 JOHN J. FITZGERALD, JOSEPH BYRNES, CHARLES McLAUGHLIN,
 EUGENE F. KERSHAW, JOSEPH SEEBECK, Attendants, Museum Building.
 WILLIAM F. ABBOTT, Elevator Operator, Museum Building.
 Mrs. MAGGIE MURTHA, Cleaner, Children's Museum.
 GEORGE F. REAY, Attendant, Children's Museum.
 MICHAEL MULLEN, Clerk and Storekeeper, Museum Building.
 EUGENE SCHAFFRANCK, Repairer and Gilder, Museum Building.
 JOHN N. KERLE, Messenger, Museum Building.
 JAMES GRANNON, Porter, Museum Building.
 JOHN LOUGHMAN, Porter, Museum Building.
 GEORGE H. PORTER, Porter, Museum Building.
 JESSE F. LUND, Janitor, Children's Museum.
 W. J. CONROY, Messenger, Children's Museum.
 HYDE TAYLOR, Porter, Museum Building.

MEMBERS

BENEFACTOR



AUGUSTUS GRAHAM, 1824-1851

**ONE OF THE FIRST MEMBERS AND THE FIRST BENEFACTOR
OF THE INSTITUTE**

PAST HONORARY MEMBERS

ALEXANDER WINCHELL	1888-1891
JAMES RUSSELL LOWELL	1890-1891
AMELIA B. EDWARDS	1889-1892
GEORGE WILLIAM CURTIS	1890-1892
JOHN GREENLEAF WHITTIER	1890-1892
JOHN TYNDALL	1892-1893
JOHN S. NEWBERRY	1889-1893
WILLIAM DWIGHT WHITNEY	1890-1894
JOSIAH PARSONS COOKE	1888-1894
OLIVER WENDELL HOLMES	1891-1894
THOMAS HENRY HUXLEY	1892-1895
JAMES DWIGHT DANA	1888-1895
JAMES HALL	1889-1898
DAVID A. WELLS	1895-1898
RICHARD SALTER STORRS	1895-1900
MOSES COIT TYLER	1892-1901
JOHN FISKE	1893-1901
JOSEPH LE CONTE	1890-1901
JAMES W. POWELL	1889-1902
HERBERT SPENCER	1898-1903
EDWIN ARNOLD	1892-1904
CHARLES ADAMS YOUNG	1888-1907
AUGUSTUS SAINT GAUDENS	1896-1907
EDWARD MACDOWELL	1897-1908
LORD KELVIN	1898-1907

HONORARY MEMBERS

1888	Sir J. WILLIAM DAWSON, F.R.S.	Montreal, Canada
1892	Prof. S. P. LANGLEY, LL.D.	Washington, D. C.
1893	Pres. CHARLES W. ELIOT, LL.D.	Cambridge, Mass.
1893	ALFRED R. WALLACE, F.R.S.	Cambridge, Eng.
1893	DUDLEY BUCK	Brooklyn
1893	ALEXANDRE GUILMANT, K.C.I.E.	Paris
1894	THOMAS A. EDISON, Ph.D.	New York
1894	Prof. T. W. RHYS DAVIDS, L.H.D.	London, Eng.
1896	M. IGNACE JAN PADEREWSKI	Poland
1896	DANIEL C. FRENCH	New York
1897	Sir ARCHIBALD GEIKIE, F.R.S., LL.D.	England
1897	Prof. WILHELM DOERPFELD, LL.D.	Athens, Greece
1898	Hon. WILLIAM T. HARRIS, LL.D.	Washington, D. C.
1899	FREDERICK MACMONNIES	Paris
1900	WILLIAM K. ROENTGEN, Ph.D.	Wurtzburg, Ger.
1904	BOOKER T. WASHINGTON, Ph.D.	Tuskegee, Ala.
1904	ANDREW CARNEGIE, LL.D.	New York
1904	Sir WILLIAM RAMSAY, F.R.S.	London
1905	Prof. ERNST HAECKEL, Ph.D.	Jena
1905	Prof. WILHELM OSTWALD, Ph.D.	Leipzig
1907	LUTHER BURBANK	Santa Rosa, Cal.

PAST FELLOWS

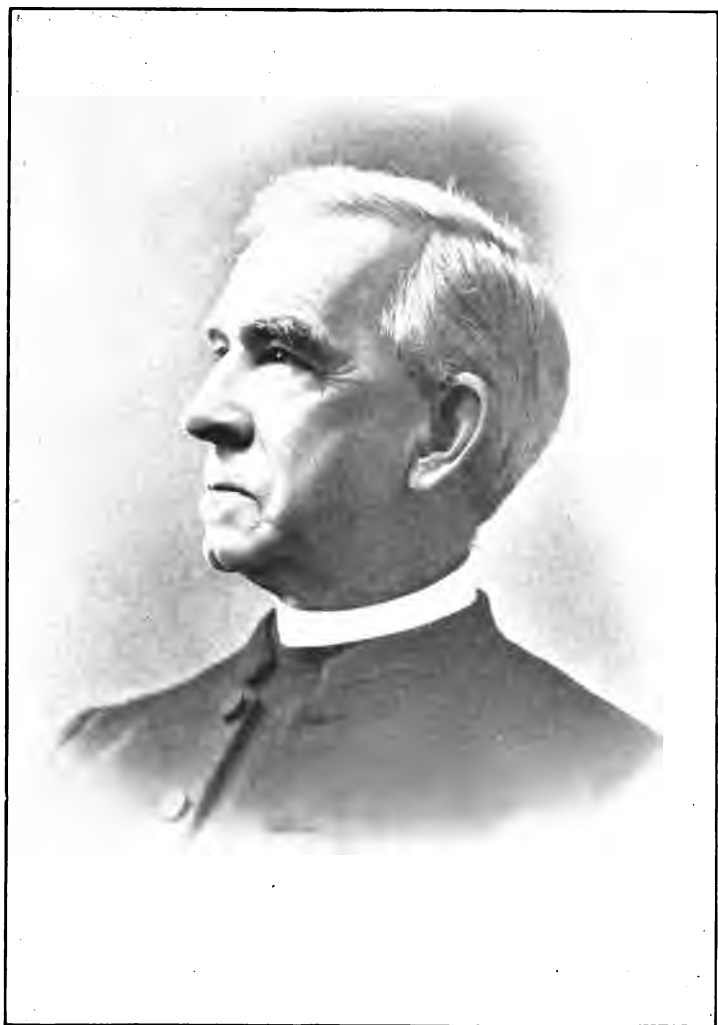
CHARLES HENRY HALL	1893-1895
CHARLES E. EMERY	1897-1898
CHARLES E. WEST	1889-1900
GEORGE D. HULST	1899-1900
EDWARD R. SQUIBB	1894-1900
RICHMOND MAYO-SMITH	1890-1901
CASKIE HARRISON	1898-1902
CHARLES C. MARTIN	1895-1903
STANFORD WHITE	1896-1906
TRUMAN J. BACKUS	1892-1908
GEORGE W. PLYMPTON	1891-1907

FELLOWS

1890	Prof. WILLIAM R. WARE, B.Sc.	Manhattan
1890	Prof. W. LE CONTE STEVENS, Ph.D.	Univ. of Va.
1891	Prof. WILLIAM H. GOODYEAR, M.A.	Brooklyn
1891	RUSSELL STURGIS, M.A.	Manhattan
1892	Prof. DAVID H. COCHRAN, LL.D.	Brooklyn
1893	JAMES CRUIKSHANK, LL.D.	Brooklyn
1893	WALTER SHIRLAW, N.A.	Manhattan
1893	WILLIAM M. CHASE, N.A.	Manhattan
1894	CHARLES F. MCKIM, M.A.	Manhattan
1894	Prof. CHARLES H. LEVERMORE, Ph.D.	Brooklyn
1894	WILLIAM H. MAXWELL, Ph.D., LL.D.	Brooklyn
1895	ROSSITER W. RAYMOND, Ph.D.	Brooklyn
1897	Prof. WILLIAM C. PECKHAM, M.A.	Brooklyn
1897	Prof. BRAINERD KELLOGG, LL.D.	Brooklyn
1898	Prof. FRANKLIN W. HOOPER, M.A.	Brooklyn
1898	Prof. JULIAN W. ABERNETHY, Ph.D.	Brooklyn
1898	Prof. FREDERICK W. OSBORN, M.A.	Brooklyn
1898	Prof. JOHN S. MCKAY, Ph.D.	Brooklyn
1899	THOMAS HASTINGS	Manhattan
1904	Prof. JOHN MICKLEBOROUGH, Ph.D.	Brooklyn
1904	WILLIAM L. FELTER, LL.D.	Brooklyn
1904	Rev. LYMAN ABBOTT, D.D.	New York
1904	Rev. ALBERT J. LYMAN, D.D.	Brooklyn
1905	ALMON G. MERWIN, Pd.D.	Brooklyn
1905	Prof. IRVING W. FAY, Ph.D.	Brooklyn
1905	WALTER B. GUNNISON, Ph.D.	Brooklyn
1906	R. HUNTINGTON WOODMAN	Brooklyn
1906	ARTHUR CLAASSEN	Brooklyn
1906	JOHN HYATT BREWER	Brooklyn
1906	PERLEE V. JERVIS	Brooklyn
1907	FRED W. ATKINSON, Ph.D.	Brooklyn
1907	CHARLES B. DAVENPORT, Ph.D.	Cold Spring Harbor
1907	WILLIAM R. MEAD, LL.D.	New York
1907	FREDERIC B. PRATT, M.A.	Brooklyn
1907	SAMUEL SHELDON, Ph.D.	Brooklyn



THE REVEREND RICHARD SALTER STORRS, D.D., LL.D.
TRUSTEE AND FIRST VICE-PRESIDENT OF THE INSTITUTE, 1890-1899.



THE REVEREND CHARLES HENRY HALL, D.D., LL.D.
TRUSTEE AND PRESIDENT OF THE COUNCIL, 1890-1895. FIRST PRESIDENT OF
THE DEPARTMENT OF BOTANY.

PATRONS

WILLIAM H. CARY	1867-1877
WILLIAM CALVERLEY	1890-1902
JOSEPH C. HOAGLAND	1890-1899
JOSEPH T. PERKINS	1893-1895
A. AUGUSTUS HEALY	1898-
FRANK S. JONES	1898-
JAMES A. H. BELL	1899-1901
EDWARD L. GRAEF	1899-
HENRY K. SHELDON	1899-1902
Col. ROBERT B. WOODWARD	1902-
FREDERICK LOESER	1902-
HON. CARLL H. DE SILVER	1905-
HENRY P. MARTIN	1905-1906
Mrs. CAROLINE H. POLHEMUS	1905-1906
SAMUEL N. HOYT	1907-1907

PERMANENT MEMBERSHIPS

1890

Memberships.

EDWIN BEERS
 JOSEPH FAHYS
 JOSEPH C. HOAGLAND
 P. H. VAN DER WEYDE
 Gen. JOHN B. WOODWARD
 Hon. JAS. S. T. STRANAHAN
 EUGENE G. BLACKFORD
 Hon. CARLL H. DE SILVER
 WILLIAM CARY SANGER
 Hon. CHARLES A. SCHIEREN
 JOHN B. LADD
 RICHARD S. BARNES
 JOHN S. JAMES

Held by

Mrs. EDITH BEERS POWELL
 JOSEPH FAHYS
 Mrs. JOSEPH C. HOAGLAND
 V. W. VAN DER WEYDE
 Mrs. JOHN B. WOODWARD
 Mrs. HELVETIA B. DUTCHER
 Miss RUTH BLACKFORD
 Hon. CARLL H. DE SILVER
 WILLIAM CARY SANGER
 Hon. CHARLES A. SCHIEREN
 JOHN B. LADD
 RICHARD S. BARNES
 JOHN S. JAMES

Memberships.

HENRY K. SHELDON
 JAMES McMAHON
 Hon. DAVID A. BOODY
 GEORGE M. OLCOTT
 HENRY HENTZ
 MARK HOYT
 ABRAHAM ABRAHAM
 Col. ROBERT B. WOODWARD

1891

Held by

Mrs. HENRY K. SHELDON
 JAMES McMAHON
 Hon. DAVID A. BOODY
 GEORGE M. OLCOTT
 HENRY HENTZ
 Mrs. MARK HOYT
 ABRAHAM ABRAHAM
 Col. ROBERT B. WOODWARD

1892

HENRY W. MAXWELL
 JOHN LOUGHRAN
 JOHN GOOD
 Hon. FELIX CAMPBELL
 FREDERICK LOESER
 E. LE GRAND BEERS

J. ROGERS MAXWELL, Jr.
 Mrs. ANNA F. WALSH
 Mrs. JOHN GOOD
 Miss MARY CAMPBELL
 FREDERICK LOESER
 E. LE GRAND BEERS

1893

A. A. LOW
 JOHN D. JONES
 Mrs. MARY L. BEERS
 Miss M. ELIZABETH BEERS
 HENRY D. POLHEMUS
 ALEXANDER M. WHITE, Jr.
 MURRAY BOOCOCK
 WILLIAM CARY SANGER, Jr.

A. A. LOW
 TOWNSEND JONES
 Mrs. MARY L. BEERS
 Miss M. ELIZABETH BEERS
 Mrs. M. BELL HAZEN
 ALEXANDER M. WHITE, Jr.
 MURRAY BOOCOCK
 WILLIAM CARY SANGER, Jr.

1894

NATHAN T. BEERS, Jr., M.D.
 JOSEPH C. HOAGLAND, Jr.
 RAYMOND HOAGLAND
 Miss FANNIE L. HOAGLAND

NATHAN T. BEERS, Jr., M.D.
 JOSEPH C. HOAGLAND, Jr.
 RAYMOND HOAGLAND
 Miss FANNIE L. HOAGLAND

1895

GEORGE E. FAHYS
 HENRY F. COOK
 EUGENE HODENPYL, M.D.
 Miss BERTHA A. FAHYS

GEORGE E. FAHYS
 HENRY F. COOK
 EUGENE HODENPYL, M.D.
 Mrs. REGINALD BARCLAY

Memberships.

ISAAC N. HOAGLAND

HENRY H. BENEDICT
 FRANK S. JONES
 Mrs. MARY L. JONES
 Miss HENRIETTA L. JONES

GEORGE FOSTER PEABODY
 CLARENCE W. SEAMANS
 LYSANDER W. LAWRENCE
 THOMAS T. BARR

WILLIAM A. PUTNAM

A. AUGUSTUS HEALY

Rev. ALFRED DUANE PELL
 Hon. ALFRED T. WHITE

Mrs. CORNELIA L. PELL

SAMUEL P. AVERY
 GEORGE FREIFELD
 GEORGE D. PRATT

GEORGE A. HEARN
 Mrs. LILLA BROWN

WILLIAM T. EVANS
 FRANCIS GOTTSBERGER

1896

Held by

Mrs. S. W. HOAGLAND

1898

HENRY H. BENEDICT
 FRANK S. JONES
 Mrs. MARY L. JONES
 Mrs. WILLIAM R. SIMONS

1900

GEORGE FOSTER PEABODY
 CLARENCE W. SEAMANS
 LYSANDER W. LAWRENCE
 THOMAS T. BARR

1901

WILLIAM A. PUTNAM

1902

A. AUGUSTUS HEALY

1903

Rev. ALFRED DUANE PELL
 Hon. ALFRED T. WHITE

1904

Mrs. CORNELIA L. PELL

1905

SAMUEL P. AVERY
 GEORGE FREIFELD
 GEORGE D. PRATT

1906

GEORGE A. HEARN
 Mrs. LILLA BROWN

1907

WILLIAM T. EVANS
 FRANCIS GOTTSBERGER

LIFE MEMBERSHIPS

1866

WILLIAM EVERDELL, Jr.
WILLIAM A. FOWLER
PHILIP H. HORTON
THOMAS PROSSER, Jr.

1867

Gen. E. L. MOLINEUX
GEORGE M. OLCOTT
GEORGE G. REYNOLDS, LL.D.
ALFRED T. WHITE

1872

CHARLES T. ROWE
FRANCIS S. VAN BOSKERCK

1874

Hon. WILLIAM C. DE WITT

1881

Col. ROBERT B. WOODWARD

1882

*CHARLES L. WOODBRIDGE

1886

Hon. DAVID A. BOODY
S. B. CHITTENDEN
JOHN B. LADD

1887

F. W. BAXTER
JOSEPH E. BROWN
Prof. FRANKLIN W. HOOPER, M.A.
WILLIS L. OGDEN
GEORGE N. OLCOTT
THEODORE E. SMITH

1888

EDWARD L. GRAEF
FREDERICK A. GUILD
*HENRY M. PARKHURST
NATHANIEL ROBINSON, M.D.

1889

ALVIN BOODY
Miss ANNA J. BRAINERD
Miss LOUISE S. BRAINERD
Hon. WILLIAM J. COOMBS
A. AUGUSTUS HEALY
HENRY HENTZ
Mrs. MARTHA H. HOOPER
Hon. DARWIN R. JAMES
FRANK T. KING
WALLACE GOOLD LEVISON
WILLIAM POTTS
Hon. CHARLES A. SCHIEREN
R. P. S. WEBSTER
WILLIAM AUGUSTUS WHITE
Hon. STEPHEN V. WHITE

1890

ABRAHAM ABRAHAM
WILLIAM A. ANDREWS
R. ROSS APPLETON
*Prof. TRUMAN J. BACKUS, LL.D.
RICHARD S. BARNES
HENRY BATTERMAN
SAMUEL W. BOOCOCK
GEORGE C. BRACKETT
ARTHUR C. BRADLEY
JOHN CLAFLIN
Hon. EDGAR M. CULLEN
Hon. CARLL H. DE SILVER
Hon. JACOB G. DETTMER
WILLIAM DICK
CONRAD V. DYKEMAN
JOSEPH FAHYS
Hon. WILLIAM J. GAYNOR
Prof. FRANK J. GOODNOW
WARREN E. HILL
Miss REBECCA L. HOOPER
EDWARD I. HORSMAN

*Deceased

DAVID H. HOUGHTALING
 HENRY C. HULBERT
 *WILLIAM M. INGRAHAM
 JOHN S. JAMES
 Mrs. SMITH ELY JELLIFFE
 GUSTAV LOESER
 *JOHN LOUGHERAN
 WILLIAM H. MAXWELL, Ph.D.
 JAMES McMAHON
 Rev. R. R. MEREDITH, D.D.
 EDWARD MERRITT
 CHARLES A. MOORE
 ALERO J. NEWTON
 WILLIAM H. NICHOLS
 ALEXANDER E. ORR
 EDWIN PACKARD
 HENRY L. PALMER
 LOWELL M. PALMER
 HENRY E. PIERREPONT
 JOHN R. PLANTEN
 ROSSITER W. RAYMOND, Ph.D.
 JOHN E. SEARLES, Jr.
 EDWARD M. SHEPARD
 ALBERT H. SMITH
 BRYAN H. SMITH
 Hon. FRANK SQUIER
 HERMAN STUTZER
 WILLIAM H. TAYLOR
 JOHN TRUSLOW
 WILLIAM H. WALLACE

1891

Rev. LYMAN ABBOTT, D.D.
 THOMAS T. BARR
 RICHARD R. BOWKER
 JOHN M. BULWINKLE
 Rev. L. T. CHAMBERLAIN, D.D.
 *HENRY F. CROSBY
 RUDOLPHE L. DAUS
 FREDERICK LOESER
 Hon. SETH LOW, LL.D.

*Deceased

GEORGE L. MORSE
 RICHARD F. PEARSALL
 L. W. SEAMAN, Jr.
 Mrs. J. A. WISNER

1892

H. MESSENGER AYRES, M.D.
 THOMAS B. BRIGGS
 STANLEY H. CHADWICK
 GEORGE H. COOK
 Mts. MARY S. CROXSON
 JAMES CRUIKSHANK, LL.D.
 Mrs. FLORENCE K. CUNNINGHAM
 Miss JULIA B. DE FOREST
 Miss E. W. FROTHINGHAM
 JOHN WHIPPLE FROTHINGHAM
 FRANK HEALY
 THEODORE F. JACKSON
 ETHELBERT IDE LOW
 JOSIAH O. LOW, Jr.
 FRANK LYMAN
 E. C. MACCLINCHEY
 HENRY L. MAXWELL
 JAMES L. MORGAN, Jr.
 Miss MARTHA W. OLCOTT
 ASA W. PARKER, Jr.
 IRVING A. RULAND
 CHARLES A. SACKETT
 Miss LILLIAN SANGER
 HENRY SANGER SNOW
 JUDAH B. VOORHEES
 Miss FRANCES E. WHITE
 HAROLD T. WHITE
 Miss HARRIET H. WHITE
 Miss KATHERINE LYMAN WHITE
 Mrs. HORATIO S. WISNER

1893

ANDREW D. BAIRD
 Miss MARY BENSON
 HOWARD BOOCOCK

JAMES B. BOUCK
 MICHAEL J. BRADLEY
 JOHN W. BROWN
 ISAAC H. CARY
 Col. HENRY T. CHAPMAN
 *Miss CHARLOTTE A. CLARKE
 ALBERT DE SILVER
 THEO. POLHEMUS DIXON
 GEORGE L. FOX
 JOHN S. FROTHINGHAM
 BERNARD GALLAGHER
 Miss MARY A. GUILD
 Mrs. H. BELL HAZEN
 Miss FRANCES INGRAHAM
 OLIVER L. JONES, M.D.
 Mrs. OLIVER L. JONES
 EDWARD H. LITCHFIELD
 FRANK H. LOVELL
 JOHN C. MCGUIRE
 GEORGE TREMAINE MORSE
 DANIEL A. NASH
 *JAMES H. OLIPHANT
 A. E. OVERTON
 Miss R. AUGUSTA POLHEMUS
 FRANK SQUIER, Jr.
 LOUIS C. TIFFANY
 SPENCER TRASK

1894

CLARK BURNHAM, M. D.
 JOHN CARTLEDGE
 Miss ALICE B. CARY
 MARY, COUNTESS VON FRANCKEN
 SIERSTORPFF
 WILLIAM B. HALSEY
 SETH A. KEENEY
 Miss IDA E. LOWBER
 Miss MARY LOWBER
 WILLIAM P. MASON
 JAMES HOWARD PRENTICE

*Deceased

ANTON A. RAVEN
 RUSSELL STURGIS
 BENJAMIN TATHAM

1895

LAWRENCE E. ABRAHAM
 Miss MARY W. ALLEN
 Mrs. MARY H. DE SILVER
 J. HENRY DICK
 GEORGE L. ENGLISH
 Mrs. WM. HOWARD GOOD
 WALLACE P. GROOM
 Mrs. ADA GIBB HESTER
 ELIJAH R. KENNEDY
 GEORGE F. KUNZ
 Mrs. MARTHA R. LYNDE
 MILTON ROBBINS
 WINFIELD ROBBINS
 Rev. JAMES TOWNSEND RUSSELL
 CLARENCE W. SEAMANS
 Gen. STEWART L. WOODFORD
 Miss MARY B. WOODWARD

1896

HENRY H. BENEDICT
 Mrs. FRANCES L. BLACKFORD
 Miss HARRIET F. BLACKFORD
 FRANK J. BLYDENBURG
 Mrs. MARY K. COVERT
 Hon. WILLIAM B. DAVENPORT
 HENRY K. DYER
 WILLIAM T. GILBERT
 Mrs. WILLIAM H. GOODYEAR
 CHARLES HENRY HALL
 Miss ELIZABETH M. HALL
 ALVAN R. JOHNSON
 Mrs. MARY A. KENNEDY
 LYSANDER W. LAWRENCE
 AUGUST LEWIS
 Rev. EDWARD W. MCCARTY, LL.D.
 GORDON PARKER

*HOSMER B. PARSONS
 WILLIAM N. PEAK
 Miss CONSTANCE LOUISE PRAY
 GEORGE H. PRENTISS
 Miss ELSA PROSSER
 THOS. HAROLD PROSSER
 WALTER RICHARD PROSSER
 WILLIAM W. WALSH
 Mrs. J. P. WARBASSE
 Hon. TIMOTHY L. WOODRUFF

1897

*LEONARD J. BUSBY
 JOSEPH F. FRADLEY
 Miss ANNA M. HOAGLAND
 Miss ELLA J. HOAGLAND
 Hon. JAMES R. HOWE
 MARTIN JOOST
 JOHN H. SCHUMANN

1898

Mrs. MANSFIELD ALLAN
 Miss KATHARINE E. BLOSSOM
 Miss ALICE HILL CHITTENDEN
 JOHN DOHSE
 JULIAN D. FAIRCHILD
 Mrs. MARY CHITTENDEN HOLLY
 FRANK S. JONES
 Miss MARY A. MERWIN
 HORACE J. MORSE
 P. ELBERT NOSTRAND
 Mrs. MARY STORRS PACKARD
 HENRY U. PALMER
 Miss BESSIE TAYLOR
 Miss IDA MAY SCHIEREN
 Miss ANNIE JEAN WHITE

1899

EDWARD ADAMS
 Mrs. EDWARD ADAMS
 JOHN WINFRID AGER

Miss MARY ARNOLD
 Mrs. JANE A. BENSON
 Miss THYRZA BENSON
 WILLIAM T. GIBB
 DAVID F. GOODNOW
 HENRY R. GOODNOW
 WESTON W. GOODNOW
 CHARLES E. PERKINS
 RUSSELL E. PRENTISS
 Miss EDITH A. SHATTUCK
 Mrs. ANNA B. SHELDON
 Miss SUSAN M. VAN ANDEN
 JOHN J. WILLIAMS

1900

Miss ELIZABETH FIELD
 SANFORD H. STEELE
 FRANCIS H. STUART, M.A., M.D.

1901

Miss EMMA A. BROCKWAY
 Rev. S. PARKES CADMAN, D.D.
 WILLIAM LINCOLN CHAPEL
 Mrs. M. H. S. HULST
 Mrs. THEODORE JACOBY
 ALFRED G. MAYER, Ph.D.
 Rev. S. D. MCCONNELL, D.D.
 J. ADOLPH MOLLENHAUER

1902

Miss DOROTHY CHAPEL
 Miss GERTRUDE CHAPEL
 Miss IVY HOWE CHAPEL
 Miss LIZZIE A. FERRIER
 GEORGE A. HEARN
 DAVENPORT HOOKER
 ALBERT E. LAMB
 Rev. ROBERT McDONALD, D.D.
 Mrs. AMY MOODY
 ROBERT R. WALBRIDGE

1903

JOHN COCKS
 Mrs. CHARLOTTE C. DAVENPORT
 Miss ELLA DOWNES
 Mrs. W. BURDETTE O'CONNOR
 CHARLES JONES PEABODY
 HARRINGTON PUTNAM
 SHEPHERD STEVENS
 ANDREW T. SULLIVAN
 RICHARD YOUNG

1904

Rev. JAMES JOSEPH BANBURY
 Rev. EGISTO FABRI CHAUNCEY
 GATES D. FAHNESTOCK
 Miss EMMA ELOISE FOSTER
 DWIGHT H. KELLOGG
 Rev. JOHN HOWARD MELISH

1905

Mrs. CECILIA BUEK
 Mrs. JEREMIAH CROWELL
 Mrs. THEODORE G. EGER
 ANTON EILERS
 SIDNEY GREEN
 WILLIAM B. HILL
 Mrs. E. M. KENT
 Miss JULIA W. LATIMER
 Miss ALICE L. MORSE
 JOHN J. PIERREPONT
 THOMAS POTTS
 GEORGE C. ROBINSON
 HENRY SHELTON
 Mrs. FANNIE AVERY WELCHER

1906

FRITZ ACHELIS
 THOMAS ACHELIS
 Miss KATE DURYEA ALLIN
 CHARLES H. BATTERMAN
 A. B. BAYLIS
 WILLIAM BAYLIS, Jr.
 FREDERIC BONNER

Miss LEILA HARTWELL CHAPMAN
 Mrs. LEILA TISDALE CHAPMAN
 Mrs. MARY BAXTER CULLEN
 ARCHIBALD BAXTER DALBY
 Mrs. FREDERIC S. DENNIS
 Mrs. KATE DURYEA
 ALFRED SHERMAN FOOTE
 Miss HELEN H. FROTHINGHAM
 Miss DOROTHY BRADFORD HAM
 ARTHUR M. HATCH
 HAMPTON HOWELL
 STEWART LEE JEFFREY, M.D.
 Mrs. IRENE S. KENYON
 WHITMAN W. KENYON
 WHITMAN W. KENYON, Jr.
 E. HUBERT LITCHFIELD
 FRANK M. LUPTON
 WILLIAM W. MARSHALL
 CHARLES L. MORSE
 Mrs. LOUIS HARMAN PEET
 JOHN L. PIERREPONT, Jr.
 SETH LOW PIERREPONT
 JAMES TOWNSEND RUSSELL, Jr.
 Miss EUNICE MORGAN SCHENCK
 HARRIE VICTOR SCHIEREN
 Mrs. JULIA G. SLACK
 Miss LUCELLA C. SMITH
 DOUGLAS MACCOLLUM STEWART
 Miss HELEN WARD
 Mrs. ALFRED T. WHITE
 SUMNER B. WHITNEY
 Mrs. SARAH ADELINA WORDEN

1907

Miss DORIS ARNOLD
 Miss A. W. BROWN
 CHARLES R. BUCKLEY
 JOHN D. BUCKLEY
 HOWARD CORLIES
 WALTER H. CRITTENDEN
 HENRY S. CURTIS
 DANIEL K. DE BEIXEDON

FREDERIC S. DENNIS, M.D.

ALBERT MOSES FARRIER

FREDERICK BEACH FARRIER

Miss PHOEBE P. FOSTER

Mrs. LOUISE VAN ANDEN FRANK

IRA L. GIFFORD

Mrs. SARAH PROCTOR HOWE

Rev. WILLIAM S. HUBBELL

Miss JULIE HUSSON

Miss ROSE RUSCOE

Mrs. TALCOTT H. RUSSELL

Miss MARIE LOUISE SCHLEGEL

HELMAR SNOW

MARGUERITE STORRS VALENTINE

P. A. VALENTINE

Mrs. LOUISA B. VAN NOSTRAND

RICHARD VAN WYCK

1908

Miss FRED A. BRUNN

Miss ILSE V. BRUNN

BERTHA CHAPIN

Rev. L. MASON CLARKE, D.D.

WALTER B. FARMER

DAVID MOFFAT

WILLIAM L. MOFFAT

Miss LILLIE L. OTIS

Mrs. FANNIE VAN N. RAMSDELL

FRANCIS H. SLOAN

Miss CAROLINE T. SUSSDORFF

Estate of THEODORE DREIER

CORRESPONDING MEMBERS

ARCHITECTURE

Prof. FRANCIS W. CHANDLER, M.A.	Mass. Institute Technology
Prof. WARREN POWERS LAIRD	Philadelphia, Pa.
ROBERT S. PEABODY	Boston, Mass.
WILLIAM W. WARE	Boston, Mass.

ASTRONOMY

Prof. SOLON I. BAILEY, M.A.	Cambridge, Mass.
Prof. EDWARD EMERSON BARNARD, M.A., D.Sc.	Yerkes Observatory, Williams Bay, Wis.
JOHN A. BRASHEAR, D.Sc., LL.D.	Allegheny, Pa.
Prof. W. R. BROOKS, M.A., F.R.A.S.	Phelps, N. Y.
Prof J. R. EASTMAN	Washington, D. C.
WILLIAM H. EDWARDS	Coalburgh, Pa.
Prof. EDWIN B. FROST	Williams Bay, Wis.
Prof. GEORGE E. HALE, D.Sc.	Mt. Wilson, Cal.
Prof. ASAPH HALL, M.A., Ph.D., LL.D.	Washington, D. C.
Prof. EDWARD S. HOLDEN	Washington, D. C.
PERCIVAL LOWELL, M.A.	Boston, Mass.
Prof. R. V. MATTEUCCI, Ph.D.	Director Royal Observatory, Mt. Vesuvius
Miss ANTONIA C. MAURY, B.A.	Cambridge, Mass.
Prof. C. H. MCLEOD, M.E., F.R.S.	Montreal, Canada
Prof. THOMAS B. OSBORNE, Ph.D.	New Haven, Conn.
FRANK A. PERRET	Royal Observatory, Mt. Vesuvius
Prof. EDWARD G. PICKERING, B.Sc., LL.D.	Cambridge, Mass.
Prof. WILLIAM A. ROGERS	Cambridge, Mass.
J. H. SERVISS	Bonne Terre, Mo.
Prof. ORMOND STONE	University of Virginia
Prof. LEWIS SWIFT, Ph.D., F.R.A.S.	Marathon, N. Y.
Prof. DAVID P. TODD, Ph.D.	Amherst College
Prof. FRANK W. VERY, M.A.	Arcturus, Fairfax Co., Va.
Miss SARAH F. WHITING	Wellesley, Mass.
Prof. W. C. WINLOCK, B.A.	Washington, D. C.

BOTANY

Prof. L. H. BAILEY, LL.D.	Ithaca, N. Y.
Prof. WILLIAM BATESON, M.A.	Cambridge, Eng.
Prof. HERBERT W. CONN, Ph.D.	Middletown, Conn.
Prof. WILLIAM G. FARLOW, Ph.D.	Cambridge, Mass.
Prof. B. E. FERNOW	Washington, D. C.
Prof. GEORGE L. GOODALE, M.D., LL.D.	Cambridge, Mass.
Prof. BYRON D. HALSTEAD, D.Sc.	New Brunswick, N. J.
WALTER HOUGH	Washington, D. C.
Prof. LEWIS R. JONES, Ph.D.	Burlington, Vt.
Prof. WILLIAM T. SEDGWICK, Ph.D.	Boston, Mass.
GEORGE M. STERNBERG, M.D.	San Francisco, Cal.

CHEMISTRY

Prof. R. H. CHITTENDEN, Ph.D.	New Haven, Conn.
FRANK WIGGLESWORTH CLARK, B.Sc.	Washington, D. C.
CHARLES B. DUDLEY, B.A., Ph.D.	Altoona, Pa.
CHARLES S. HOLDEN, M.D.	Attleboro, Mass.
Prof. HARRY C. JONES, Ph.D.	Baltimore, Md.
HENRY LEFFMAN, M.D.,	Philadelphia, Pa.
Mrs. ELLEN H. RICHARDS, B.Sc., M.A.	Boston, Mass.
Prof. SAMUEL P. SADTLER, B.Sc., Ph.D.	Philadelphia, Pa.
E. A. DE SCHWEINITZ, M.D.	Washington, D. C.
Prof. WILLIAM G. TUCKER, M.D., Ph.D., F.C.S.	Albany, N. Y.
Prof. HARVEY W. WILEY, MA., Ph.D., LL.D.	Washington, D. C.

DOMESTIC SCIENCE

MARY GREEN, M.D.	Charlotte, Mich.
------------------	------------------

ELECTRICITY

A. E. KENNELLY	Cambridge, Mass.
Prof. WILLIAM K. ROENTGEN	Wurtzburg, Germany

ENGINEERING

G. C. F. BROWN	Naval Station, Newport, R. I.
RICHARD S. BUCK, C.E.	Niagara Falls
Prof. R. C. CARPENTER, C.E.	Ithaca, N. Y.
Prof. A. J. DU BOIS, B.Sc.	New Haven, Conn.
EDWARD B. HART, Ph.D.	Easton, Pa.
WILLIAM KENT, M.E., M.A.	Syracuse University
GAETANO LANZA, C.E.	Boston, Mass.
H. W. RAYMOND	Germantown, Pa.
Prof. HARRIS J. RYAN, M.E.	Ithaca, N. Y.
OSCAR L. SMITH, C.E.	New Brunswick, N. J.
Prof. W. E. STORY	Worcester, Mass.

ENTOMOLOGY

Prof. JOHN H. COMSTOCK, B.Sc.
 Prof. LELAND O. HOWARD, Ph.D.
 Prof. GEORGE MACCLOSKE, LL.D.
 Rev. HENRY C. MCCOOK, D.D.

Cornell University
 Washington, D. C.
 Princeton, N. J.
 Philadelphia, Pa.

ETHNOLOGY

CHARLES C. ABBOTT, M.D.
 J. WALTER FEWKES, Ph.D.
 Miss ALICE FLETCHER
 Prof. OTIS T. MASON, M.A., Ph.D.
 ALBERT P. MAUDSLAY
 Mrs. GILBERT MCCLURG
 Prof. FREDERICK W. PUTNAM, M.A., D.Sc.
 HJALMAR STOLPE, Ph.D.
 WILLIAM WALLACE TOOKER

Philadelphia, Pa.
 Washington, D. C.
 Cambridge, Mass.
 Washington, D. C.
 London, England
 Colorado Springs, Col.
 Cambridge, Mass.
 Stockholm, Sweden
 Sag Harbor, L. I.

FINE ARTS

FREDERICK HOVEY ALLEN
 Prof. D. CADY EATON
 W. M. R. FRENCH
 WILLIAM H. HERRIMAN
 J. FREDERICK HOPKINS
 Prof. EDWARD S. MORSE, M.A., Ph.D.
 Rev. HENRY G. SPAULDING
 Prof. FRANCIS C. VAN DYCK, Ph.D.
 Prof. JOHN F. WEIR, M.A.

Boston, Mass.
 New Haven, Conn.
 Chicago, Ill.
 Rome, Italy
 Baltimore, Md.
 Salem, Mass.
 Boston, Mass.
 Rutgers College
 New Haven, Conn.

GEOGRAPHY

Duke AMEDEO DI ABRUZZI
 Rev. CHARLES H. ANDRAS
 JOHN BRYSON
 HUBER GRAY BUEHLER, M.A.
 FREDERICK H. CHAPIN
 W. A. CROFFUT
 Prof. CHARLES E. FAY, M.A.
 HENRY V. HENSHAW
 E. BURTON HOLMES
 Rev. J. J. LEWIS
 Prof. WILLIAM LIBBEY, Ph.D.
 Prof. THOMAS C. MENDENHALL, Ph.D., LL.D.
 FRITJOF NANSEN, M.D.
 J. H. NEWELL

Rome, Italy
 Alberta, N. W. Ter.
 Eastport, L. I.
 Lakeville, Conn.
 Hartford, Conn.
 Washington, D. C.
 Tufts College, Mass.
 Washington, D. C.
 Chicago, Ill.
 Boston, Mass.
 Princeton, N. J.
 Worcester, Mass.
 Christiania, Sweden
 Washington, D. C.

Prof. WILLIAM H. NILES	Boston, Mass.
HENRY G. PEABODY	Pasadena, Cal.
R. E. PEARY, C.E., U.S.N.	Philadelphia, Pa.
Miss ANNIE S. PECK	Providence, R. I.
T. McCANTS STEWART	Honolulu
COPE WHITEHOUSE, M.A.	London, Eng.

GEOLOGY

Prof. ALBERT P. BRIDGHAM, M.A.	Hamilton, N. Y.
Prof. WILLIAM O. CROSBY, B.Sc.	Boston, Mass.
Prof. WILLIAM M. DAVIS, M.E.	Cambridge, Mass.
Prof. WILLIAM B. DWIGHT, M.A., Ph.B.	Poughkeepsie, N. Y.
Prof. BENJAMIN K. EMERSON, Ph.D.	Amherst College
G. K. GILBERT	Washington, D. C.
Prof. F. J. H. MERRILL	Albany, N. Y.
Prof. WILLIAM N. RICE, M.A., Ph.D., LL.D.	Middletown, Conn.
Prof. WILLIAM B. SCOTT, Ph.D.	Princeton, N. J.
Prof. CHARLES D. WALCOTT	Washington, D. C.
WALTER H. WEED, M.D.	Washington, D. C.
Prof. G. FREDERICK WRIGHT, D.D., LL.D.	Oberlin, Ohio

MATHEMATICS

Prof. FREDERICK N. WILLSON, C.E., M.A.	Princeton, N. J.
--	------------------

MICROSCOPY

Miss MARY A. BOOTH, F.R.M.S.	Springfield, Mass.
FREDERICK A. CANFIELD, M.A., M.E.	Dover, N. J.
Rev. FREDERICK B. CARTER, M.A.	Montclair, N. J.
THOMAS TAYLOR, M.D.	Washington, D. C.

MINERALOGY

FRANK WIGGLESWORTH CLARK, B.Sc.	Washington, D. C.
J. FRANCIS WILLIAMS, Ph.D.	Worcester, Mass.

MUSIC

Prof. LOUIS C. ELSON	Boston, Mass.
----------------------	---------------

PEDAGOGY

Miss MARIA L. BALDWIN	Agassiz School, Cambridge, Mass.
Miss SUSAN E. BLOW	Cazenovia, N. Y.
Rt. Rev. THOMAS J. CONATY, D.D.	Washington, D. C.
Prof. ANDREW S. DRAPER, LL.D.	Albany, N. Y.
Pres. WILLIAM H. P. FAUNCE, LL.D.	Brown University
Hon. WILLIAM T. HARRIS, M.A., Ph.D., LL.D.	Washington, D. C.
Ex-Pres. DAVID J. HILL, LL.D.	Rochester, N. Y.

FRANK A. HILL, Litt.D.	Boston, Mass.
Prof. JAMES L. HUGHES	Toronto, Canada
Prof. MARTIN V. O'SHEA, Ph.D.	University of Wisconsin
Pres. BRADFORD P. RAYMOND, Ph.D., LL.D.	Middletown, Conn.
Miss STELLA SKINNER	New Paltz, N. Y.
Miss LUCY WHEELOCK	Boston, Mass.

PHILOLOGY

Prof. CHARLES CHARLEMAGNE BRACQ, M.A.	Vassar College
Prof. KARL BUDDE, D.D.	Strasburg University, Germany
JOHN BURROUGHS	West Park, N. Y.
Prof. RICHARD BURTON, Ph.D.	Minneapolis, Minn.
GEORGE W. CABLE	Northampton, Mass.
Prof. GEORGE R. CARPENTER, B.A.	Glen Ridge, N. J.
Rev. THOMAS K. CHEYNE, M.A., D.D.	Oxford University, Eng.
F. MARION CRAWFORD	Rome, Italy
Mrs. MARGARET DELAND	Boston, Mass.
EDWARD EMERSON, M.D.	Concord, Mass.
HAMLIN GARLAND	Chicago, Ill.
Rev. WASHINGTON GLADDEN, D.D.	Columbus, Ohio
Rev. EDWARD EVERETT HALE, D.D.	Boston, Mass.
Hon. WILLIAM T. HARRIS, M.A., Ph.D., LL.D.	Washington, D. C.
Col. THOMAS W. HIGGINSON, M.A., LL.D.	Cambridge, Mass.
Mrs. JULIA WARD HOWE	Boston, Mass.
Miss MARY F. JORDAN, Ph.D.	Northampton, Mass.
Prof. GEORGE LYMAN KITTRIDGE, Ph.D.	Cambridge, Mass.
Prof. DAVID G. LYON, Ph.D., LL.D.	Cambridge, Mass.
Prof. MORRIS H. MORGAN, Ph.D., LL.D.	Harvard University
Rev. J. F. NUGENT	Des Moines, Iowa
Prof. TRACY PECK, Ph.D.	Yale University
Prof. BERNADOTTE PERRIN, M.A.	Yale University
LELAND POWERS	Boston, Mass.
GEORGE RIDDLE, M.A.	Cambridge, Mass.
Prof. ROBERT W. ROGERS, Ph.D., D.D.	Madison, N. J.
Pres. JACOB G. SCHURMAN, D.Sc., LL.D.	Ithaca, N. Y.
Prof. E. W. SCRIPTURE, Ph.D.	New Haven, Conn.
Prof. HERBERT W. SMYTH, M.A.	Bryn Mawr College
Rt. Rev. J. L. SPALDING, D.D.	Peoria, Ill.
HOWARD MALCOM TICKNOR, M.A.	Boston, Mass.
Prof. ANDREW F. WEST, M.A.	Princeton University
Prof. CALEB T. WINCHESTER, L.H.D.	Middletown, Conn.
Prof. JOHN F. WRIGHT, M.A.	Harvard University

PHILOSOPHY

Prof. JOHN BASCOMB, D.D., LL.D.	Williamstown, Mass.
Rev. SAMUEL R. CALTHROP, D.D.	Syracuse, N. Y.
Prof. GEORGE H. PALMER, LL.D.	Cambridge, Mass.
Prof. JOSIAH ROYCE, Ph.D.	Cambridge, Mass.
*Prof. OTTO PFLEIDERER, Ph.D.	Univ. of Berlin, Germany

PHOTOGRAPHY

H. SNOWDEN WARD, F.R.P.S.	London, Eng.
---------------------------	--------------

PHYSICS

Prof. CHARLES R. CROSS, B.Sc.	Boston, Mass.
Prof. CHARLES S. HASTINGS, Ph.D.	New Haven, Conn.
Pres. CARL LEO MEES, Ph.D.	Terre Haute, Ind.
Prof. ROBERT W. WOOD, Ph.D.	Baltimore, Md.

POLITICAL SCIENCE

E. BENJAMIN ANDREWS, LL.D.	University of Nebraska
EDWARD ATKINSON, Ph.D., LL.D.	Boston, Mass.
Prof. HILAIRE BELLOC, M.A.	Oxford, Eng.
Rev. JOHN COTTON BROOKS, D.D.	Springfield, Mass.
JOHN GRAHAM BROOKS, Ph.D.	Boston, Mass.
WILLIAM CLARK	London, Eng.
Hon. CHARLES C. COFFIN	Boston, Mass.
Rev. GEORGE W. COOK, M.A.	Concord, Mass.
Rev. JAMES DE NORMANDIE, D.D.	Roxbury, Mass.
Prof. DAVIS R. DEWEY, Ph.D.	Chicago University
Prof. T. M. DROWN, M.D., LL.D.	Boston, Mass.
WILLIAM LLOYD GARRISON	Boston, Mass.
Prof. EDWARD L. GREENE, LL.D.	Washington, D. C.
Pres. ARTHUR T. HADLEY, M.A., LL.D.	Yale University
Rev. WILLIAM ELLIOT GRIFFIS, D.D., L.H.D.	Ithaca, N. Y.
Prof. ALBERT BUSHNELL HART, Ph.D.	Boston, Mass.
JOSEPH JACOBS, B.A.	London, Eng.
Rt. Rev. JOHN J. KEANE, LL.D.	Peoria, Ill.
Rev. GEORGE D. LATIMER	Salem, Mass.
EDWIN D. MEAD	Boston, Mass.
Prof. ANSON D. MORSE, M.A.	Amherst, Mass.
Rev. FRANCIS G. PEABODY, D.D.	Cambridge, Mass.
Prof. WILLIAM Z. RIPLEY, Ph.D.,	Cambridge, Mass.
HON. FRANK B. SANBORN	Concord, Mass.
Prof. SIDNEY SHERWOOD, Ph.D.	Johns Hopkins University

*Deceased

WENDELL PHILLIPS STAFFORD	St. Johnsbury, Vt.
Prof. FRANK W. TAUSSIG, Ph.D.	Cambridge, Mass.
Miss ANNA B. THOMPSON	Wellesley College
Rev. JOSEPH H. TWICHELL, M.A.	Hartford, Conn.
Rev. THOMAS VAN NESS	Boston, Mass.
HON. JOSEPH H. WALKER	Worcester, Mass.
GRAHAM WALLAS, M.A.	Oxford, Eng.
JOSEPH P. WARREN	Boston, Mass.
Pres. BOOKER T. WASHINGTON, Ph.D.	Tuskegee Normal College, Ala.
Prof. ARTHUR M. WHEELER, LL.D.	Yale University
Prof. MARY W. WHITNEY	Vassar College
Pres. WOODROW WILSON, Ph.D., LL.D.	Princeton, N. J.

PSYCHOLOGY

Prof. WILLIAM JAMES, M.D.	Cambridge, Mass.
Prof. GEORGE T. LADD, Ph.D., LL.D.	New Haven, Conn.
Prof. HUGO MÜNSTERBERG, Ph.D.	Harvard University

ZOÖLOGY

*AUSTIN C. APGAR	Trenton, N. J.
Prof. WILLIAM BATESON	Cambridge University, Eng.
Prof. WILLIAM K. BROOKS, Ph.D.	Baltimore, Md.
JOHN BURROUGHS	West Park, N. Y.
Prof. HERBERT W. CONN, Ph.D.	Middletown, Conn.
Prof. CHARLES B. DAVENPORT, Ph.D.	Cold Spring Harbor, L. I.
JOHN LYMAN FAXON	Boston, Mass.
Pres. DAVID STARR JORDAN, LL.D.	Leland Stanford Junior University
C. HART MERRIAM, M.D.	Washington, D. C.
Prof. WILLIAM T. SEDGWICK, Ph.D.	Boston, Mass.
GEORGE N. STERNBERG, M.D.	San Francisco, Cal.
Prof. JOHN M. TYLER, M.A.	Amherst College
Prof. BURT G. WILDER, B.Sc., M.D.	Ithaca, N. Y.

SECTION ON PHILATELY

W. J. GASCOYNE, B.Sc., Ph.D.	Baltimore, Md.
GERMAN GREVE, Ph.D.	Santiago, Chili
M. H. LOMBARD	Boston, Mass.



GENERAL JOHN BLACKBURNE WOODWARD.
TRUSTEE, 1867-1896; SECRETARY, 1885-1887; PRESIDENT, 1887-1895.



HENRY K. SHELDON, CHAIRMAN OF MUSIC COMMITTEE, 1890-1900.

IN MEMORIAM

HONORARY MEMBERS.

AUGUSTUS SAINT GAUDENS	- - - - -	August 3, 1907
LORD KELVIN	- - - - -	December 17, "
CHARLES ADAMS YOUNG	- - - - -	January 5, 1908
EDWARD MACDOWELL	- - - - -	January 23, "

PERMANENT MEMBERSHIPS.

ISAAC N. HOAGLAND	- - - - -	September 4, 1907
JOHN GOOD	- - - - -	March 23, 1908

LIFE MEMBERS.

EDWARD C. WICKSTEAD	- - - - -	October 9, 1907
JAMES H. OLIPHANT	- - - - -	December 21, "
HENRY M. PARKHURST	- - - - -	January 21, 1908
LEONARD J. BUSBY	- - - - -	February 23, "
CHARLES L. WOODBRIDGE	- - - - -	March 10, "
TRUMAN J. BACKUS	- - - - -	March 25, "
HOSMER B. PARSONS	- - - - -	April 15, "
WILLIAM M. INGRAHAM	- - - - -	June 7, "

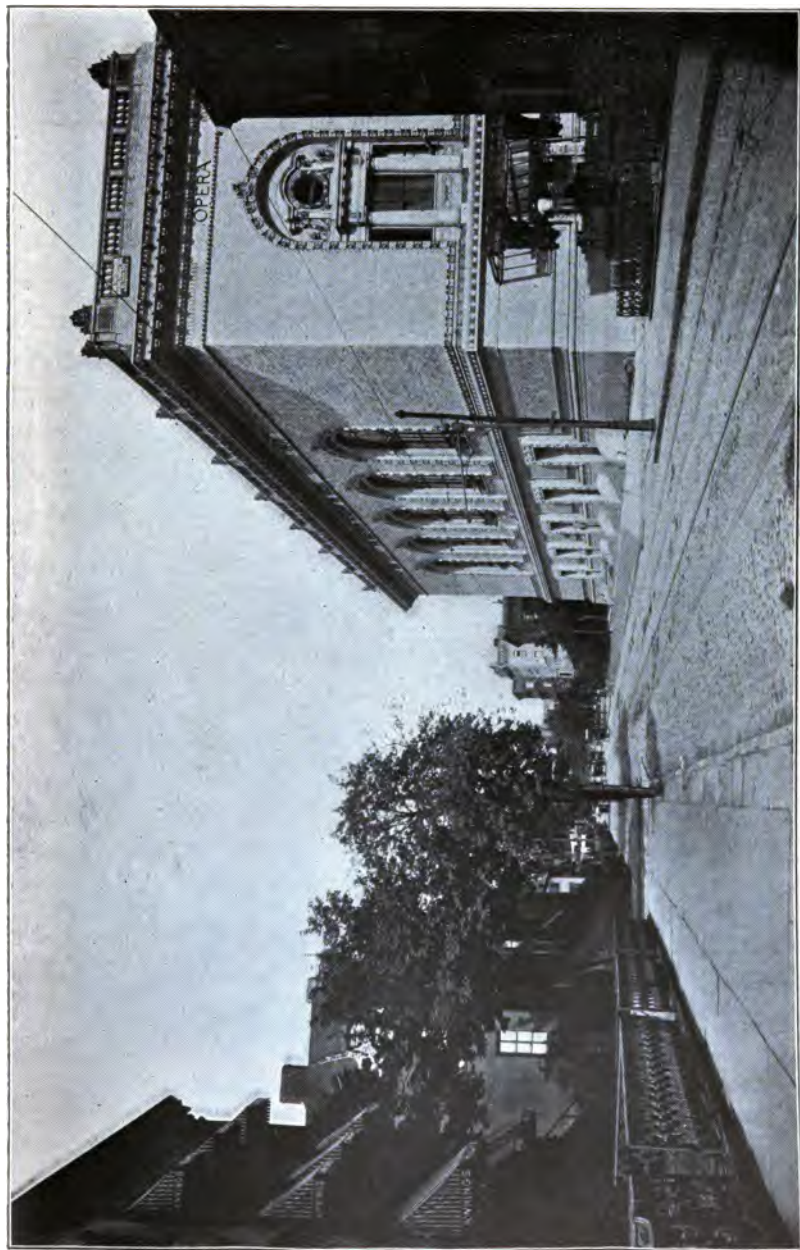
CORRESPONDING MEMBERS.

AUSTIN C. APGAR	- - - - -	March 4, 1908
WILLIAM O. ATWATER	- - - - -	September 22, 1907
OTTO PFLEIDERER	- - - - -	July 20, 1908

ASSOCIATE MEMBERS.

F. RAPALJE BOERUM	- - - - -	November 13, 1903
FRANCIS F. UNDERHILL	- - - - -	November 12, 1905
A. NEWTON EBAUGH	- - - - -	November 25, 1906
JAMES D. ROE	- - - - -	December 9, "
GEORGE A. DOMMINEY	- - - - -	December 11, "
Miss MARY GAFFNEY	- - - - -	January 13, 1907
JOHN A. WOODS	- - - - -	March 17, "
THOMAS J. PICKERELL	- - - - -	March 24, "
WILLIAM E. CARHART	- - - - -	April , "
Mrs. DAVID W. MEYER	- - - - -	April 19, "

MISS SARA F. BUCKELEW	-	-	-	-	-	April 23, 1907	
EDWARD B. TOMPKINS	-	-	-	-	-	May 11,	"
Mrs. ANNA KETCHAM	-	-	-	-	-	May 13,	"
SAMUEL A. BRIGGS	-	-	-	-	-	June 20,	"
Mrs. N. W. HUNT	-	-	-	-	-	June 20,	"
CORNELIUS ZABRISKIE	-	-	-	-	-	July 9,	"
Mrs. LOUIS RAUCHFUSS	-	-	-	-	-	July 16,	"
JOHN PETRIE	-	-	-	-	-	July 20,	"
Mrs. LEON G. GODLEY	-	-	-	-	-	July 24,	"
Mrs. SELDON S. GORDON	-	-	-	-	-	July 25,	"
EDWARD H. HOBBS	-	-	-	-	-	August 12,	"
JOHN H. MCCLURE	-	-	-	-	-	August 13,	"
Miss EDNA O. KEATING	-	-	-	-	-	August 28,	"
Mrs. TIRZAH HAMLEN CHAPMAN	-	-	-	-	-	September 1,	"
GEORGE W. PLYMPTON	-	-	-	-	-	September 11,	"
Mrs. ALBERT B. CHANDLER	-	-	-	-	-	September 14,	"
Miss KATE GARRETSON	-	-	-	-	-	September 20,	"
JOEL W. HYDE	-	-	-	-	-	September 22,	"
Mrs. J. A. ELLIS	-	-	-	-	-	October 13,	"
MILTON B. BELDIN	-	-	-	-	-	October 28,	"
ABRAM H. DAILEY	-	-	-	-	-	November 2,	"
Miss M. J. MCMULKIN	-	-	-	-	-	December 5,	"
JAMES E. HART	-	-	-	-	-	December 17,	"
JOHN DITMAS, JR.	-	-	-	-	-	January 9, 1908	
O. F. NICHOLS	-	-	-	-	-	February 4,	"
Miss EDITH L. DAVIS	-	-	-	-	-	February 7,	"
MICHAEL H. HAGERTY	-	-	-	-	-	February 9,	"
GEORGE B. ABBOTT	-	-	-	-	-	February 10,	"
Miss J. E. HUESTON	-	-	-	-	-	February 12,	"
GEORGE A. STANTON	-	-	-	-	-	February 20,	"
FRANK S. HALLIDAY	-	-	-	-	-	March ,	"
Mrs. H. S. ANDERSON	-	-	-	-	-	April 11,	"
HENRY CHADWICK	-	-	-	-	-	April 20,	"
WALTER D. MUNSON	-	-	-	-	-	April 24,	"



THE BROOKLYN ACADEMY OF MUSIC.
VIEW LOOKING UP LAFAYETTE AVENUE.



THE ART BUILDING, 172-174 MONTAGUE STREET.

A BRIEF HISTORY
OF
**The Brooklyn Institute of Arts
and Sciences**

In the summer of 1823 several gentlemen, among whom was AUGUSTUS GRAHAM, met at Stevenson's Tavern for the purpose of establishing for the apprentices of Brooklyn a Free Library. They adopted a constitution, and issued to the citizens of Brooklyn a circular, in which they solicited donations of books and money with which to effect their purpose. On November 20, 1824, they were incorporated by the Legislature of the State under the name of The Brooklyn Apprentices' Library Association, and on July 4, 1825, the cornerstone of the first building owned by the Association was laid by GENERAL LAFAYETTE, at the junction of Henry and Cranberry streets. As early as 1835 the Association had outgrown its original quarters, and, the property having been sold to the city, the Institution was removed to its new building in Washington street, then the residential center of the young city of Brooklyn.

In order to broaden the scope of the Association, an amended charter was granted by the Legislature in 1843 and the name therein changed to that of the Brooklyn Institute. For many years thereafter the Institute was a most important factor in the social, literary, scientific and educational life of Brooklyn. Its library had a good circulation; its public hall was the scene of many historic and social gatherings; and from its platform were heard such eminent scientific men as Agassiz, Dana, Gray, Henry, Morse, Mitchell, Torrey, Guyot and Cooke; such learned divines

as Doctors McCosh, Hitchcock, Storrs and Buddington; and such defenders of the liberties of the people as Phillips, Sumner, Garrison, Emerson, Everett, Curtis, King, Bellows, Chapin and Beecher.

During this brilliant period of its history (1843-1867) the Institute received from Mr. GRAHAM two very important donations. On July 4, 1848, he freed the Washington street building from all encumbrance, and by his will, which was made known to the Board of Directors on November 28, 1851, shortly after his decease, the Institute received the sum of \$27,000 as a permanent endowment fund. The will directs that the interest of \$10,000 of this sum shall be used in the support of lectures on scientific subjects and in the purchase of apparatus and collections illustrating the sciences; that the interest of \$12,000 shall be used in the support of Sunday evening lectures on "The Power, Wisdom and Goodness of God as Manifested in His Works;" and that the balance of \$5,000 shall be used in the support of a School of Design and in forming a Gallery of Fine Arts.

For several years, however, prior to 1867, owing to the erection of the Academy of Music and other public buildings, the Institute building was regarded as behind the times. The income from the rental of portions of the building was dwindling to a low figure, and the financial support of the free library was becoming inadequate. Under these circumstances the Directors remodeled the building in 1867, at an expense of about \$30,000, a part of which was raised by Life Membership Subscriptions of \$50 and \$100, and the balance by a mortgage on the building. For twenty years (1867-1887) this indebtedness necessitated the application of a portion of the income from the rent of the building and from the Graham Endowment Fund to the payment of the interest and the principal of the debt. Final payment on the mortgage was made in 1887.

The cause of the partial inactivity of the Institute during the twenty years (1867-1887) is, therefore, apparent. The most that it was able to do was to circulate its library, to keep up its classes in drawing and to provide for the annual addresses on the 22d of February. Freed from debt in 1887 the Institute was enabled once more to use the whole income from its funds and building for educational purposes, and to become once more an important agent in the work of education in the city.

The property of the Institute in 1887 consisted of the Institute building and land, valued at \$80,000, a library of 12,000 volumes, a collection of paintings valued at \$10,000 and Endowment Funds of \$46,000. These last comprised the \$27,000 bequeathed by Mr. GRAHAM, the WILLIAM H. CARY Fund of \$10,000 used in the support of the library and an increment of \$9,000 realized through premiums on the sale of bonds.

1887-1888

During the year 1887-1888 a new era in the history of the Institute was inaugurated. The Board of Trustees determined to make the property of the Institute the nucleus of a broad and comprehensive institution for the advancement of science and art, and its membership a large and active association laboring, not only for the advancement of knowledge, but also for the education of the people, through lectures and collections in the arts and sciences. It was observed that, while Boston had the Lowell Institute, a Society of Natural History and an Art Museum; while Philadelphia had the Franklin Institute, an Academy of Sciences and a Gallery of Fine Arts; and New York had the Metropolitan Museum and the American Museum, Brooklyn had nothing corresponding to these institutions. It was felt that Brooklyn should have an Institute of Arts and Sciences worthy of her wealth, her position, her culture

and her people; that it was her duty to do more than she was then doing for the education and enjoyment of her people, and that some step should be taken looking toward the future growth and needs of the city in matters of art and science.

Accordingly, there was adopted a form of organization which contemplated the creation of a large association of members, and a continual increase of the Endowment Funds and Collections of the Institute. Provision was made for a subdivision of the membership into departments, representing various branches of Art and Science, each department forming a society by itself and yet enjoying all the privileges of the general association. A general invitation was extended to citizens specially interested in Science and Art to become members of the Institute. Courses of lectures on Science and Art were provided. The Directors' Room of the Institute was enlarged to accommodate the meetings of some of the departments contemplated, and a large Lecture Room on the third floor of the Institute Building was fitted up at an expense of \$2,600 for the occupancy of those departments that would make use of apparatus and collections at their meetings.

1888-1889

During the first fifteen months after the reorganization of the Institute a membership of three hundred and fifty persons was recorded. The Brooklyn Microscopical Society joined the Institute in a body with sixty-four members, and became the Department of Microscopy. The American Astronomical Society, whose members resided mostly in New York and Brooklyn, became the Department of Astronomy, with thirty-two members. The Brooklyn Entomological Society united with the Institute, and became the Entomological Department, with forty-one members. The Linden Camera Club of Brooklyn became the Department

of Photography, with twenty-six members. Departments of Physics, Chemistry, Botany, Mineralogy, Geology, Zoölogy and Archæology were successively formed. Each of the above twelve Departments began to hold monthly meetings. The permanent funds and property of the Institute were increased by \$3,000. Additions were made to the Library, its circulation was increased from 12,000 to 36,000 volumes per year and a general citizens' movement to secure a Museum of Arts and Sciences for Brooklyn was inaugurated.

1889-1890

The progress of the Institute during the year 1889-1890 was even greater than in the preceding fifteen months. The membership of the twelve Departments organized the previous year was somewhat more than doubled. Eight new and strong Departments were formed successively; viz., Architecture, Electricity, Geography, Mathematics, Painting, Philology, Political Science and Psychology. The membership was increased from three hundred fifty to eleven hundred. To the collections of the Institute were made very large additions. The library was reorganized and its circulation increased from the rate of 36,000 to 55,000 volumes per year, and 1,500 new books were placed in the Library for the benefit of the Departments and their members. The number of lectures, exhibits and meetings of Departments was increased from about ninety in the previous year to two hundred and thirty. The attendance on the Department meetings was doubled, and amounted to 46,950. The number of members taking an active part in the meetings and in the work of the Institute was quadrupled. The quality of the lectures and addresses was an improvement over that of the previous year; and out of the abundance of active and increasing interest in the Arts and Sciences awakened by the old Brooklyn Institute the new BROOKLYN

INSTITUTE OF ARTS AND SCIENCES was born, destined to absorb the old Institute, to command the attention, the admiration, the love and support of every resident of the city, to foster the interests of other educational institutions and to become a means for the education, the refinement and the uplifting of all.

1890-1891

The growth of the Institute received a temporary check during the year 1890-1891. On September 12 a serious fire rendered the Institute Building unfit for immediate use. But through the generous hospitality of other institutions in the city it was possible to carry on the work elsewhere. The Young Men's Christian Association, the Union for Christian Work, the Packer Collegiate Institute, the Brooklyn Library, the Polytechnic Institute, the Brooklyn Heights Seminary, the Church of the Saviour, the Adelphi Academy and the Brooklyn Art Association each contributed the use of rooms for the lectures and the work of the Departments. And notwithstanding the fact that the work was distributed at various points, the Institute's progress was of a permanent and substantial character. Three hundred and twelve new members were added. The membership of each of the twenty Departments was enlarged. The number of lectures and meetings was increased to three hundred and ten, as against two hundred and thirty in the previous year. The attendance on the lectures was augmented, reaching a total of 99,200. The Geographical Department brought together a collection of geographical appliances, consisting of maps, globes, charts, reliefs, models, atlases, treatises, text-books and other publications, valued at \$6,000. The Geographical Collection was exhibited in Brooklyn for four weeks and in Boston for three weeks. The Boston Exhibition was visited by about sixteen thousand people and the Brooklyn

Exhibition by upwards of twenty-seven thousand people. Subscriptions toward the Endowment Fund were made to the amount of \$51,500 and by act of legislation the city was authorized to expend \$300,000 in the erection of a portion of the proposed Museum of Arts and Sciences on Prospect Heights.

1891-1892

During the fourth year of active work after the reorganization of the Institute, 632 new members were recorded, of whom about one-third were teachers in our public and private schools. The Architectural Department established a school for junior architects and draughtsmen. The Department of Painting aided in the establishment of an Art School. The Department of Geography exhibited its collection in New York City for four weeks for the benefit of the teachers and citizens of New York and vicinity. The Department of Music was established during the autumn by members of the musical profession, with a membership of 117. The Department of Pedagogy was organized in March with 206 members from the teaching profession. The Photographic Department was provided with an excellent suite of rooms fitted up at an expense of about \$1,000. Two Summer Schools of Art were established, one of them at the seashore and the other in the mountains. The Departments of Architecture, Microscopy and Photography gave large and excellent exhibitions that were free to the public. The number of lectures and meetings by the Departments was increased from three hundred and ten in the previous year to 405. The total attendance on the lectures, meetings and exhibitions was increased from ninety-nine thousand to 120,500. Subscriptions to the Endowment Fund were received amounting to \$16,000. The real estate belonging to the old Brooklyn Institute in Washington street was sold to the Trustees of the New York and Brooklyn Bridge,

and the net proceeds of the sale, amounting to \$72,000, were invested in city bonds. The old Brooklyn Institute was consolidated with the new Brooklyn Institute of Arts and Sciences, transferring thereto its property and estate, amounting to \$139,286 in invested funds, together with collections, library and other property valued at \$42,450. The Mayor and Park Commissioner selected as the site for the proposed Museum Buildings the East Side lands, bounded by the Eastern Parkway, Washington avenue, the south side of old President street and the Prospect Hill Reservoir.

1892-1893

During the fifth year the growth of the educational work of the Institute was greater than that of any preceding season. Nine hundred and forty new members were added to the roll. The number of lectures, addresses, concerts and exhibitions open to all the members was 482, as against 405 the previous year. The number of lectures and class exercises open to members and others by the payment of a moderate fee was 1,397, as against 1,134 the previous year; the number of concerts was increased from eight to fifteen. The average daily attendance on the exercises of the Institute for the eight months of active work was 936, and the total attendance for the year 190,900. The annual income was increased from \$18,934.20 in the previous year to \$31,641.51. Institute Extension Courses of lectures were given in the eastern section of the city. The School of Political Science was established with four classes and ninety-six pupils. The Art School was transferred to new and larger quarters in the Ovington Studio Building, and the number of pupils was increased from ninety-four to one hundred and twenty-eight. The Department of Architecture, acting through its Advisory Board, devised a scheme of competition for the best plan

and design for the proposed Museum of Arts and Sciences, which was approved by the Board of Trustees and adopted by the Mayor and Park Commissioner; and a competition for the best plan and design for a Museum Building was completed with most satisfactory results.

1893-1894

During the sixth year of educational work under the new constitution 979 new members were enrolled. The total number of members was increased from 2,622 to 3,457. The total number of lectures, conferences, class exercises and Department meetings was increased from 1,879 to 2,212. The Department of Domestic Science was organized with a membership of forty-two. The annual income was increased from \$31,641.51 in 1892-1893 to \$40,169.35. The average daily attendance on the exercises of the Institute was 1,177. The Mayor and Park Commissioner leased to the Institute eleven and nine-tenths acres of land for a period of one hundred years, at one dollar per year, as a site for the Museum Building. The Legislature of the State of New York authorized the expenditure of \$50,000 in grading the Institute Park lands, including the Museum site. The Department of Parks of the City of Brooklyn leased at a nominal rental the Bedford Park Building to the Institute for temporary Museum purposes. The Departments of Geography, Zoölogy, Botany, Geology, Mineralogy and Chemistry arranged their collections in the Bedford Park Building for public exhibition. And the State Legislature increased the rate of interest on the Museum of Art and Science Bonds to not exceeding four per cent. to enable the city to sell the bonds and to erect the first section of the Museum Building.

1894-1895

During the seventh year of work under the new constitution, the growth in the annual income and in the attendance on the meetings of the Institute was in a measure checked by the general financial depression under which the country suffered, and also by the serious interruption of public travel caused by the strikes on the surface railways of the city. The number of members, however, was increased from 3,457 to 3,764. The total number of lectures, conferences, class exercises and Department meetings was 2,621 as against 2,212 in the previous year. The Department of Law was organized with a membership of 123. The Department of Entomology was reorganized with an increased membership. The annual receipts increased from \$40,169.35 to \$44,756.13. The Temporary Museum Building in Bedford Park was opened to the public on Thursday and Saturday afternoons. A fund of \$1,500 was raised to aid Professor WILLIAM H. GOODYEAR in making a series of surveys and photographs of Mediæval Architecture in Italy. The site of the Brooklyn Museum of Arts and Sciences was surveyed and the elevation of the base line of the building fixed at 175 feet above sea level. The working plans and specifications for the northern portions of the Museum were completed and the Museum Commission of the city advertised for contracts for the erection of the northwest section of the Museum Building.

1895-1896

The year 1895-1896 was one of the most eventful in the history of the Institute. The site for the Museum Building was graded during the months of September and October. The contract for the erection of the northwest section of the Museum Building was given by the Mayor and Park Commissioner on September 1 to Messrs. P. J. CARLIN & Co. for \$254,675. Ground was broken with appropriate

ceremonies by the Hon. FRANK SQUIER, Park Commissioner, for the foundation of the building, on September 14th. The cornerstone of the structure was laid by Mayor CHARLES A. SCHIEREN on December 14th, in the presence of a large gathering of citizens, and the construction was carried to the third floor of the building. The educational work was characterized by an increase in the attendance from 215,150 to 268,580. The number of lectures, class exercises and other educational gatherings was increased from 2,567 to 3,069. The net increase in the membership was from 3,764 to 4,168. The Department of Music gave a series of Philharmonic Concerts in conjunction with the Brooklyn Philharmonic Society by the Boston Symphony Orchestra. The receipts applicable to the payment of running expenses were increased from \$44,756.13 to \$66,199.73. The Endowment Fund received from the estate of the late JOSEPH T. PERKINS the sum of \$10,000. The Institute became the owner of a majority of the stock of the Brooklyn Art Association. The Herbarium and Botanical Collections of the late Reverend CHARLES H. HALL, D.D., LL.D., were presented to the Department of Botany by Mrs. HALL in accordance with the request of Dr. HALL; and the State Legislature authorized the continuance of work on the Museum Building at an expense not exceeding \$600,000.

Accompanying this growth the Institute suffered losses by the death of an unusually large number of valuable members. The Reverend CHARLES H. HALL, D.D., LL.D., for seven years President of the Associate Members and six years a member of the Board of Trustees, died on September 12, 1895. General JOHN B. WOODWARD, a member of the Board of Trustees for twenty-seven years, Secretary of the Board of Trustees for four years and President of the Board of Trustees from 1888 to 1895 inclusive, died on March 5, 1896. JOHN D. JONES, the founder of the

Biological Laboratory at Cold Spring Harbor and a generous contributor to its resources, died September 20, 1895, and JOSEPH T. PERKINS, a Patron of the Institute, died on July 12, 1895.

1896-1897

The year 1896-1897 witnessed an increase in the membership from 4,168 to 4,704, in the attendance from 268,580 to 302,426, in the number of lectures, conferences, concerts, readings and class exercises from 3,069 to 3,416, and in receipts from \$66,199.73 to \$67,983.85. The State Legislature passed a law providing \$10,000 for the care and maintenance of the Museum Building during the year 1897; included in the Charter of Greater New York were provisions for the continuance of all laws affecting the Institute unimpaired, and for the care and maintenance of the Museum Building and its contents, an annual appropriation by the City of New York of a sum not less than \$20,000; and authorized the establishment of a Botanic Garden and Arboretum on the Park Lands south of the Museum site as a proper approach to the Museum Building. The first section of the Museum Building was completed on May 14, 1897. A very valuable loan collection of paintings and other works of art, comprising some six hundred titles, was placed in the galleries on the first and third floors during the latter part of May, and the entire Museum was thrown open to the public on Wednesday, June 2d, to remain open daily for the benefit of all.

1897-1898

During the tenth season, after the reorganization of the Institute effected in 1887-1888, the Museum Building was equipped with engines, dynamos, electric ventilating fan, electric elevator, electric lights, natural history cases, furniture and fixtures, making the entire cost of the building and equipment \$335,500. The Museum Building was dedi-

cated with appropriate exercises on October 2d. The Loan Collection of Paintings and other works of Art installed in May was kept on exhibition until November 1st. A second loan collection of paintings was installed in November, numbering 421 canvases, and this collection, together with the paintings belonging to the Institute, continued on exhibition in the galleries on the third floor of the Museum. Portions of the Scientific Collections of the Institute in Mineralogy, Geology, Zoölogy, Botany, Entomology, Geography and Ethnology were transferred from the Bedford Park Building to the new Museum and installed in the galleries of the basement and second floors. Loan Collections in Mineralogy, Paleontology, Entomology, Archæology and Ethnology were placed on exhibition from time to time in the galleries of the basement and second floors. Very valuable works of art were presented by A. AUGUSTUS HEALY, JAMES A. H. BELL, ABRAHAM ABRAHAM, JOSEPH JEFFERSON, E. K. AUSTIN, FREDERICK J. ADLER, C. F. BROOKS, SAMUEL P. AVERY, Mrs. SAMUEL B. DURYEA, Colonel ROBERT B. WOODWARD, PETER LAUCKHARDT, the REMBRANDT CLUB and the estate of the late JOHN H. PRENTICE. Eighty-five selected casts from Greek and Roman Sculptures were presented by Members and friends of the Institute and installed in the Hall of Greek Sculpture on the first floor of the Museum. FRANK S. JONES presented the Institute with \$3,500 with which to purchase the GEBHARD GEOLOGICAL COLLECTION, representing the Paleontology of the State of New York. Subscriptions were made amounting to \$3,000 by HENRY H. BENEDICT, JAMES H. BATES, FRANK SHERMAN BENSON, Mrs. ARTHUR W. BENSON, MISS MARY BENSON, Hon. WILLIAM B. DAVENPORT, Hon. CHARLES A. SCHIEREN, Hon. TIMOTHY L. WOODRUFF, CHARLES B. HEWITT, HENRY K. DYER, MARTIN JOOST and ALVAN R. JOHNSON, with

which to purchase the WILLIAM WALLACE TOOKER COLLECTION of Indian Relics of Long Island and the Collection was purchased and installed in the Museum. JAMES A. H. BELL presented collections of paintings, sculptures and other works of art, a library of music, and collections in mineralogy and conchology. Very valuable additions were made to the Collections in Ornithology by A. B. LOUNSBERRY, ROBERT A. PEAVEY, Mrs. A. M. MATHESON, Mrs. N. L. TERRELL and others; to the Collections in Mineralogy by ALEXANDER M. WHITE, FRANKLIN W. HOOPER, GEORGE L. ENGLISH, JOHN W. FRECKELTON, JAMES WALKER, MISS J. HUSSON and others; to the Herbarium by JOHN COOPER, M.D., LUCIUS BELL and NATHANIEL L. BRITTON, Ph.D.; to the Archæological Collection a series of Egyptian jars by Mrs. MARY L. BEERS.

The Library received additions numbering one thousand forty-eight volumes and many pamphlets. Fourteen shares of stock in the Brooklyn Art Association were presented in exchange for Life Membership Certificates in the Institute. Four courses of lectures were given in the Eastern District of Brooklyn. The Membership was increased from 4,704 to 5,417. The attendance on lectures, classes, concerts, readings and meetings of Departments was 334,670. The registered attendance at the new Museum Building was 126,046. The total attendance for the year reached 460,716. The annual income grew from \$67,983.85 to \$99,058.20. The City of Brooklyn appropriated \$10,000 to meet the expense of the care and maintenance of the Museum during the period, June 1 to December 31, 1897. The City of New York set apart \$20,000 for the care and maintenance of the Museum during the year 1898 and the Department of Parks of the City of New York graded portions of the Museum grounds lying south of the Museum Building.

1898-1899

During the educational year 1898-1899 the membership was increased from 5,417 to 5,975; the number of lectures open to all members on the presentation of the weekly membership ticket, from 544 to 572; the total number of meetings and class exercises, from 3,558 to 3,806; the attendance on lectures, concerts, dramatic readings and class exercises, from 334,670 to 360,980. The attendance at the Museum Building was 92,736, and the total attendance for the year 453,716. The annual income of the Institute, applicable to the payment of current expenditures, was increased from \$99,058.20 to \$119,965.12. FRANK S. JONES, Member of the Board of Trustees, presented to the Institute \$10,000 to be used in the purchase of the BERTHOLD NEUMOEGER COLLECTION OF LEPIDOPTERA, numbering some forty thousand specimens. EDWARD L. GRAEF, Curator of Entomology, presented to the Institute his entire Collection in Lepidoptera, numbering some fifteen thousand specimens. A. AUGUSTUS HEALY, President of the Board of Trustees, presented a colored Majolica Lunette by GIOVANNI DELLA ROBBIA, entitled "The Resurrection of Christ." WILLIAM T. EVANS presented a Portrait of WILLIAM CULLEN BRYANT by the late WYATT EATON. A large number of donations was made to the scientific and art collections, descriptions of which appear in the eleventh Year Book (1898-1899), under the respective Departments to which the gifts naturally belong. To the scientific collections were added, by purchase, thirty compound microscopes and two microtomes for the Department of Microscopy, at an expense of \$1,124.50; apparatus for the Department of Physics at an expense of \$520; apparatus for the Department of Archæology costing \$560; apparatus for the Departments of Geography and Geology costing \$960. On

the recommendation of the Council of the Institute the Trustees determined to establish a CHILDREN'S MUSEUM in the Bedford Park Building. Apparatus and collections for the equipment of this Museum were ordered at an expense of \$2,600. The SCHOOL OF PEDAGOGY was established with five classes and an enrollment of five hundred twenty-two students. Application was made by the Board of Trustees to the authorities of the City of New York for the issuing of bonds as authorized by law for the continuation of the work of construction on the Museum Building. This application was approved by the Department of Buildings, Lighting and Supplies, and was laid before the Board of Estimate and Apportionment of the City of New York in June, 1899.

1899-1900

During this year the membership was increased from 5,975 to 6,391; the total number of lectures, class exercises, concerts, readings and Department meetings from 3,806 to 4,057; the attendance, exclusive of the Museums, from 360,980 to 390,225; the attendance at the Central Museum from 92,736 to 101,261; the attendance at the Children's Museum was 28,261, and the total attendance for the year was increased from 453,716 to 519,747. The annual income available for carrying on the educational work was increased from \$119,965.12 to \$147,096.65. The Endowment Fund was increased by \$15,000, received from the estate of the late JOSEPH C. HOAGLAND, for ten years a Member of the Board of Trustees. This year was also distinguished by the organization of the Department of Philosophy; by the establishment and opening (on December 16, 1899) of the Children's Museum, and by the development of the Museum work. Professor WILLIAM H. GOODYEAR, M.A., was appointed on full time as Curator of Fine Arts; Professor R. ELLSWORTH CALL, M.D., Ph.D., as Curator of

the Children's Museum; GEORGE K. CHERRIE, as Curator of Ornithology; CHARLES T. GOODWIN, as Superintendent of the Museums; ALFRED G. MAYER, D.Sc., as Curator of Natural Science; ABEL J. GROUT, Ph.D., as Curator of Botany; Professor JOHN S. MCKAY, as Curator of the Collections in the Physical Sciences; Miss SUSAN A. HUTCHINSON, as Librarian of the Department of Libraries, and Miss MIRIAM S. DRAPER, as Librarian of the Children's Museum Library, The Scientific and Art Collections received many additions, described under the several Departments in the twelfth Year Book (1899-1900). Notable among these are a portrait of General JOHN B. WOODWARD, painted by FEDOR ENCKE, presented by Colonel ROBERT B. WOODWARD; a landscape entitled "On the Plains of Hungary," painted by OTTO DE THOREN and presented by JOHN B. LADD; a marble bust, entitled "The Madonna," WILLIAM ORDWAY PARTRIDGE, sculptor, presented by GEORGE FOSTER PEABODY, and a landscape by GEORGE H. BOGERT, presented by GEORGE A. HEARN. During this year the Institute purchased from JAMES J. TISSOT, of Paris, his collection of four hundred sixty-one paintings and drawings, illustrating the life of Christ, for the sum of \$60,000, and raised by subscription \$53,000 towards the purchase price. Also during this year the city government authorized the issue of the corporate stock of the city to the amount of \$300,000, the proceeds of the sale of which funds were made available for the erection of the masonry, brick and iron work of the second section of the Museum Building. The contract for the work was let in May for \$296,000, and ground was broken on June 6 with appropriate exercises.

1900-1901

During the twelfth year after the reorganization of the Institute the membership was increased from 6,391 to 6,836; the attendance at the Children's Museum was 79,756;

at the Central Museum 110,634, and at the lectures, concerts, readings, courses of instruction, exhibitions, etc., was 351,736; the total attendance for the year was 542,126; and the total income was increased from \$147,096.65 to \$197,844.33. The subscription to the fund for the purchase of the TISSOT COLLECTION OF PAINTINGS ILLUSTRATING THE LIFE OF CHRIST was increased from \$53,000 to \$60,000; the paintings were paid for by the Institute in January; two galleries on the third floor of the Museum were provided with screens and redecorated to receive the paintings; the entire collection was reframed at an expense of about \$4,000 and the pictures were hung for permanent public exhibition in May. The Institute received an unusually large number of gifts during the year; the most notable of those added to the art collections were as follows: from Colonel ROBERT B. WOODWARD, 490 pieces of ancient Syrian and Egyptian glass; from A. AUGUSTUS HEALY and FRANK HEALY, an oil painting by LOUIS GALLAIT, entitled "The Last Honors to Counts Egmont and Horn;" from WILLIAM A. PUTNAM, an oil painting by BEN FOSTER, entitled "A Misty Moonlight Night;" from GEORGE A. HEARN, an oil painting entitled "Dordrecht," by GEORGE H. BOGERT; from Hon. CARLL H. DE SILVER, 18 pieces of Japanese ceramic art and an oil painting entitled "A Landscape," by HENRY P. SMITH; from Mrs. THEODORE JACOBY, a Wagner alto viola; from L. W. LAWRENCE, a bronze replica of the "Flying Mercury," by GIOVANNI DE BOLOGNA; from A. E. OVERTON, a pair of Japanese Satsuma Vases; from BENJAMIN T. FROTHINGHAM, 209 mounted photographs from negatives taken by Dr. SCHLIEMANN at Troja, Mycenae and Tiryns; and from eleven of the Trustees a portrait of WILLIAM CULLEN BRYANT by DANIEL HUNTINGTON. To the scientific collection gifts were made during the year of 19,429 specimens; among the larger of these gifts were the following: From

WILLIAM LINCOLN CHAPEL, 3,147 birds' eggs, nests and skins; from Mrs. JOHN H. BURTIS, 2,500 shells, together with a collection of corals and ethnological specimens; from Mrs. GEORGE D. HULST, about 12,000 plants from the collection of the late Reverend GEORGE D. HULST, Ph.D.; from Hon. EUGENE G. BLACKFORD, 145 specimens of fossil fishes and nearly an equal number of specimens of living species; from the Hon. CHARLES A. SCHIEREN, 117 pieces of Cliff Dwellers' Pottery and relics; from CHARLES HOWARD REMINGTON, 440 birds' eggs, also several fossils and Indian relics; from Mrs. ANNIE MORRILL SMITH, 167 plants; from THE H. W. JOHNS MANUFACTURING COMPANY, 77 specimens of asbestos, native and manufactured; from Dr. ABEL J. GROUT, 150 plants; from JACOB DOLL, 297 insects and vertebrates; from ROBERT W. PEAVEY, 22 mounted birds; from Mrs. J. P. GERAN, 18 mounted birds; from GEORGE K. CHERRIE, 10 birds and mammals. The Museum received an unusually large number of valuable loans to its art collections; from A. AUGUSTUS HEALY, 30 paintings; from Colonel ROBERT B. WOODWARD, 18 paintings; from HENRY H. BENEDICT, 3 paintings; from J. WILLIAM BROWN, 2 paintings; from Colonel HENRY T. CHAPMAN, 3 paintings; from Mrs. CHARLES R. BAKER, 5 paintings; from JOHN S. JAMES, 4 paintings; from CHARLES HOWARD REMINGTON, 12 paintings; from Mrs. ANNA STEWART GOODWIN, Mrs. CORNELIA K. HOOD, the Hon. FRANK SQUIER and RUSSELL STURGIS, 2d, 1 painting each; from the ARION SINGING SOCIETY, the Emperor's Prize of Honor; from FRANCIS LE BARON, 9 of the original bronzes by JOHN ROGERS; from CLAYTON L. MOAK, a Japanese Art Collection; from A. A. HOPKINS, a collection of Italian photographs. The Museum acquired by purchase, collection and exchange, 1,754 additions to its scientific collections, and a large collection of electrotpe reproductions of the British Museum collection of Greek coins. The Mastodon skeleton

presented to the Institute in 1889 was mounted in the Museum Building; the Department Libraries at the Central Museum and the Children's Museum Library in Bedford Park were organized and made available for use by the public; four new rooms were fitted up for exhibition purposes in the Children's Museum, and Volume I, No. 1, of the Science Bulletin of the Museum was published. The City of New York appropriated for the maintenance of the Institute Museums for the year 1901, \$55,000. The work of construction of the second section of the Museum Building was in progress throughout the year and the masonry was carried up to the base of the dome previous to July 1. The plans and specifications for the completion of the second section were made by the architects. Application to the Park Commissioner of Brooklyn and Queens, the Hon. GEORGE V. BROWER, for the issue of bonds to provide for the continuance of work on the Museum Building was made by the authority of the Trustees and Council, and the Park Commissioner made requisition on the Board of Estimate and Apportionment of the City of New York for the issue of bonds to the amount of \$300,000, by the sale of which provision may be made for the continuance of the work of Museum construction.

1901-1902

During the year 1901-1902, the membership was increased from 6,836 to 7,215; the attendance at the Children's Museum was 84,487; at the Central Museum 113,955; at the lectures, concerts, readings, class exercises, exhibitions, etc., 254,361; and the total attendance for the year was 452,803; and the total annual income \$146,077.52. The additions to the Scientific Collections of the Museum numbered 25,007, among the more important of which was a collection of Marine invertebrates from Japan, presented by the Hon. EUGENE G. BLACKFORD; a collection

representing the Marine life of the North Atlantic coast, made by ALFRED G. MAYER, D.Sc.; the S. E. STILES COLLECTION OF MICROSCOPICAL APPARATUS AND PREPARATIONS; a large collection of Mosses presented by Mrs. ANNIE MORRILL SMITH; a collection of 4,000 specimens of Lepidoptera, presented by CHARLES S. MCKNIGHT, M.D.; a collection of surveys, maps and pictures of Peru, presented by the Hon. FRANK SQUIER, and a collection of 116 pieces of pottery from the Cliff Dwellings and Pueblos of Arizona and New Mexico, presented by the Hon. CHARLES A. SCHIEREN. The gifts in the Departments of Fine Arts include additions to the collection of ancient oriental glass, made by Colonel ROBERT B. WOODWARD; several Japanese Ceramics and small swords, and a large Chinese bowl, presented by Hon. CARLL H. DE SILVER; a painting entitled "Strandgut," painted by ADOLPH HERING, and presented by HENRY BATTERMAN; and two paintings of unusual value presented by A. AUGUSTUS HEALY, entitled "Meditation," by G. Belloni, and "The Apple Orchard," by DAUBIGNY. \$500 was contributed by ABRAHAM ABRAHAM to support courses of lectures on the Fine Arts; \$500 by GEORGE A. HEARN, to be used in purchasing photographs of Italian Art; \$1,250 was subscribed to a fund for explorations in the Southwest, and \$1,150 for the purchase of the RIGGS COLLECTION OF ANCIENT PUEBLO POTTERY. The largest gift ever received by the Institute from a single citizen was the addition to the permanent endowment of \$50,000, presented by Colonel ROBERT B. WOODWARD, and to be known as the Woodward Memorial Funds, \$25,000 of which is a fund in memory of the late JOHN B. WOODWARD, and the balance of \$25,000 is a fund in memory of ELLA C. WOODWARD,—the interest of these two funds to be used in the purchase of works of Art for the Museum. The City of New York issued in December, 1901, corporate stock to the amount of \$300,000,

the proceeds of the sale of which are to be used in completing the interior of the Central Section of the Museum, and appropriated for the annual support and maintenance of the Institute Museums the sum of \$60,000. The exterior of the Central Museum Section was completed during the year, and the Department of Parks awarded in June, 1902, the contract for the interior work at \$274,500. The Board of Estimate and Apportionment authorized the issue of corporate stock of the City to the amount of \$150,000 to provide a Power House and Power Plant, together with fixtures and decorations for the Central Section of the Museum.

1902-1903

During this educational year, the attendance at the Children's Museum was 110,834; at the Central Museum, 109,395; at the lectures, concerts, class exercises, exhibitions, etc., 255,757; the total attendance for the year was 475,986. The total income was \$159,958.09. The Endowment Funds were increased by the sum of \$16,400, through a gift of \$10,000 by FREDERICK LOESER, the interest of which is to be expended annually in the purchase for the Museum of photographs of paintings and other works of art, plaster casts of important sculptures, and, in case the Museum is well supplied with these, of original works of art; and also through a bequest made by the late JAMES A. H. BELL, the amount of which so far received is \$6,400.

The additions to the scientific collections numbered 13,480, and among the more important of these was a collection of marine animals from the North Atlantic Coast, made during an expedition in the summer of 1902 by Dr. ALFRED G. MAYER; some 150 mammals, birds and reptiles from the New York Zoölogical Garden; some 50 birds from the Rockaway Rod and Gun Club; three very valuable skins

of Mammals from Mrs. WILLIAM B. DAVENPORT; and a large collection of fossils from New York State, made by FREDERICK BRAUN. The additions to the art collections included six very valuable paintings from the estate of the late HENRY W. MAXWELL; an oil painting entitled "A Gray Morning," by LEONARD OCHTMAN, purchased with the income of the Woodward Memorial Funds; extensive collections of Japanese and Chinese works of art presented by Colonel ROBERT B. WOODWARD, GEORGE C. BRACKETT and Hon. CARLL H. DE SILVER; an oil painting entitled "A Winter Scene in Norway," by J. JUNGBLÚT, from HENRY BATTERMAN; a Japanese carving in wood and ivory with gold lacquer ornaments representing the Chinese warrior WU YUNG, presented by THOMAS T. BARR; an oil painting, "The Morteratsche Glacier, Upper Engadine," by ALBERT BIERSTADT, presented by Mrs. ALBERT BIERSTADT; a Japanese palanquin, a Japanese wrought-iron eagle, and a Japanese image representing the Dragon King Rio Wo, presented by Hon. ALFRED T. WHITE; a replica of the Lemnian Athene from the bronze original by PHIDIAS, presented by GEORGE FOSTER PEABODY; and 69 additional pieces of European china from the Reverend ALFRED DUANE PELL. Among the important loans to the art exhibits of the Museum are 34 oil paintings from Hon. CARLL H. DE SILVER; 18 oil paintings from the Hon. CHARLES A. SCHIEREN, and a collection of Japanese lacquers, bronzes and porcelains from CLAYTON L. MOAK; a collection of 46 18th Century fans from Mrs. E. LE GRAND BEERS; a painting from Mrs. E. L. GOODNOW and Mrs. I. L. BIGELOW; also one painting each from ROBERT J. KIMBALL, WILLIAM S. HUGHES and Colonel HENRY T. CHAPMAN; and 119 pieces of Tiffany favrile glass loaned by CHARLES W. GOULD. Fuller descriptions of the accessions to the scientific and art collections will be found under the reports of the Museum (1902-1903).

The Department of Ethnology was established in February, and STEWART CULIN was appointed Curator of Ethnology in March, 1903. Seventeen of the Trustees subscribed each \$100 to meet the expenses of making collections in Ethnology in Arizona and New Mexico. Mr. CULIN was sent in April on a six months' expedition to the southwest, and the very large ethnological collections made by CHARLES DAY, of Arizona, were purchased for the Museum by Mr. CULIN through the generosity of A. AUGUSTUS HEALY and GEORGE FOSTER PEABODY. The collections in Ethnology were also enriched by important gifts of objects from Hawaii, presented by Colonel ROBERT B. WOODWARD and GEORGE C. BRACKETT; by collections of pottery from the Pueblos of New Mexico and Arizona, presented by the Hon. CHARLES A. SCHIEREN; and by Chinese and Indian coins presented by ROBERT C. W. BROCK, of Philadelphia. JACOB DOLL and CARL SCHAEFFER were sent on an entomological expedition to Texas during the months of April to July. Dr. ALFRED G. MAYER made an expedition to the Bahamas during June and July to study the marine life of the Bahama Archipelago and to make collections for the Museum. A fund of \$1,000 was raised to defray the expenses of an expedition by Professor WILLIAM H. GOODYEAR to study the architecture of France and Constantinople.

The work of completing the interior of the second section of the Museum Building was under way during the entire year. Contracts were made during the year by the Department of Parks of the City of New York for a Museum Power House and Power Plant at \$78,693; for Natural History cases for the second floor of the Museum at \$23,450; for orchestra chairs for the Museum auditorium at \$13,272. The City appropriated for the annual support and maintenance of the two Museums of the Institute \$70,000. Plans and specifications for the third section or east-

ern wing of the northern façade of the Museum Building were prepared by the architects and on July 1, 1903, the Board of Estimate and Apportionment of the City authorized the issue of the corporate stock of the City to the amount of \$454,000 to provide for the construction of the third section or eastern wing of the Museum.

1903-1904

During the year 1903-1904 the work of the Institute was seriously affected by the destruction on November 30 of the Academy of Music, in which the most largely attended concerts and lectures had been given. Through the courtesy of the pastor, officers and trustees of the Baptist Temple, the use of the Temple was very generously made available for the larger concerts during the year, and most of the educational work was carried out as planned, but with reduced membership and attendance.

To the collections in the Department of Ethnology a collection of carved figures and implements from the south sea islands was added through the generosity of A. AUGUSTUS HEALY, Hon. CARLL H. DE SILVER and Colonel ROBERT B. WOODWARD. A collection illustrating the ethnology of the Zúñi Indians was presented by several Trustees of the Institute at an expense of \$1,000. Some one hundred and seventeen enlarged bromide photographs, illustrating the architecture of France, from negatives obtained by Professor WILLIAM H. GOODYEAR in the summer of 1903, were made, framed, exhibited for three weeks in the Boston Public Library in April and hung in the Museum in May. Large additions were made to the Natural Science Collections through the expeditions of ALFRED G. MAYER, D.Sc., to the Bahamas and to the coast of Massachusetts; of JACOB DOLL and CARL SCHAEFFER to southern Texas, and through gifts from the New York Zoölogical Society and many friends of the Institute. The position of Curator-in-chief

of the Museums was created in February and held by ALFRED G. MAYER, D.Sc., from February until May 15 and after that date by FREDERIC A. LUCAS. Subscriptions were made during the year for the purchase of the painting "The Vision of the Dying Virgin," by CORNELIS SCHUTT, amounting to \$3,600; for the Biological Laboratory at Cold Spring Harbor, \$980, and for the purchase of collections for the Museum, \$5,600. The Reverend ALFRED DUANE PELL added some 200 pieces to his collection of European China. GEORGE A. HEARN presented a landscape painting by GEORGE H. BOGERT. Bequests were received from the estate of HENRY K. SHELDON of \$2,375, to be added to the general endowment fund, and of \$9,500, the income from which is to be used in support of Orchestral and Chamber Music concerts. Bequests were also received from the estates of Mrs. AUGUSTA M. OSBORN of \$1,905, and from WILLIAM F. SEBERT of \$500, together with two telescopes equatorially mounted.

Contracts were let during the year by the Department of Parks, with the advice and approval of the Trustees, for 38 ethnological cases at \$18,496, and for painting the interior of the second Museum section at \$6,850. The Second Section of the Museum was completed in June and the Power House and Power Plant in July, 1904. The Natural History Cases were set up on the second floor of the second Museum section in May and June, at a cost when completed of \$23,450. The City appropriated for the maintenance of the Museums for the year \$70,000, and the entire income of the Institute was \$162,873.60. The contract for erecting the Eastern Wing or Third Section of the Museum was awarded by the Department of Parks in December, 1903, for \$407,315, and in February, 1904, for the electric light fixtures for the second Museum section for \$7,216. On June 17, the Board of Estimate and Apportionment appropriated \$97,000, to be used in constructing the front steps

and substructure, and in defraying the cost of carving the pediment of the front portico of the Museum. The work of building the Third Section of the Museum was begun by breaking ground on March 7 and by laying the foundations on June 15.

1904-1905

In this educational year the number of members of all classes was 6,897; the attendance at the Children's Museum 88,413, at the Central Museum 107,150, at the lectures, concerts, readings classes, etc., 211,587, and the total attendance was 407,150. The endowment Funds were increased by \$1,100 contributed by women of Brooklyn, the interest of which will be used in providing law lectures for women by women, and by \$6,293.41, the final payment from the estate of the late JAMES A. H. BELL. The subscriptions to special funds were \$500 from A. A. Low for Lectures on the Fine Arts, \$1,225 for researches at the Biological Laboratory, Cold Spring Harbor, and \$15,163.25 for the Museum Collection Fund subscribed by many members. The total income for the year ending May 1, 1905, was \$174,537.35.

Among the more important additions to the Museum Collections were a marble sculpture entitled "Poetry," by SALVATORE ALBANO, purchased with proceeds of the ELLA C. WOODWARD MEMORIAL FUND; a marble sculpture entitled "Polyxena," by WILLIAM W. STORY, presented by GEORGE FREIFELD; a marble sculpture entitled "Christ and St. John," heroic size, by WILLIAM ORDWAY PARTRIDGE, presented by Mrs. CHARLES R. BAKER, in memory of the late Reverend CHARLES R. BAKER, D.D., Rector of the Church of the Messiah for many years, and a trustee of the Institute from 1890 until his decease in 1898; a marble sculpture entitled "Eve" by HIRAM POWERS, presented by Mrs. MARY S. CROXSON; an antique Roman Torso of a caryatid of the

1st or 2d Century, in Cipollino marble, recently found in Rome, presented by A. AUGUSTUS HEALY; a bronze sculpture by BARYÉ entitled "The Lapith and the Centaur," presented by Mrs. FANNIE AVERY WELCHER; a painting by EDWIN L. WEEKS entitled "Hour of Prayer at the Pearl Mosque, Agra," presented by GEORGE D. PRATT; a painting by EDWIN L. WEEKS entitled "A Scene in Morocco," purchased from the Museum Collection Fund of 1904; a painting by W. T. RICHARDS entitled "On the New England Coast," presented by SAMUEL P. AVERY; a painting entitled "A Gray Morning," by LEONARD OCHTMAN, purchased from the JOHN B. WOODWARD FUND; a painting entitled "Autumn Oaks, Forest of Fontainebleau," by PAUL DOUGHERTY, presented by GEORGE FOSTER PEABODY; a painting called "The Captive," by R. A. BLAKELOCK, presented by the Hon. CHARLES A. SCHIEREN; a Sicilian Cart from Palermo, presented by GEORGE C. BRACKETT; a collection of Chinese porcelain vases and Japanese pottery, presented by the Hon. CARLL H. DE SILVER; a collection of coins and two casts of Greek and Græco-Roman reliefs presented by FRANK SHERMAN BENSON; a collection of Japanese lacquers and one bronze ink horn, presented by Colonel ROBERT B. WOODWARD; a painting entitled "On the Bosphorus," by F. A. BRIDGMAN, presented by PETER GEDDES; a collection in Egyptology, purchased by FLINDERS PETRIE, and paid for out of the Museum Collection Fund of 1904; a collection of Egyptian bronzes and a collection of Tanagra figures purchased with the Museum Collection Fund of 1905; a collection of gold ornaments (100 B. C. to 200 A. D.), purchased with the ELLA C. WOODWARD FUND; a collection in Greek and Roman Archæology, purchased from GEORGE N. OLcott, Ph.D., with the Museum Collection Fund of 1904. Ethnological collections from the Southwest were purchased by STEWART CULIN with the aid of the Museum Collection Fund of 1904, at a cost of \$1,553.85. To the Natural History

collections many additions were made with the aid of the Museum Collection Fund of 1904 and through the generosity of friends. The Reverend J. L. ZABRISKIE presented a very complete collection of the Fungi of Long Island. Lists of gifts and also of loans to the Museum collections are printed under the several departments.

Expeditions were made by GEORGE K. CHERRIE, Curator of Ornithology, to the Valley of the Orinoco; by STEWART CULIN, Curator of Ethnology, to Arizona and California; and by CARL SCHAEFFER, Assistant Curator of Entomology, to Arizona and New Mexico.

The Pavilion or Second Section of the Museum was completed and turned over by the Park Department to the Institute on February 11; the Power House and Power Plant were completed and turned over to the Institute on March 21; the new Lecture Hall, with a seating capacity of 1,250, was first opened for lectures on March 4. During March, April and May, collections were installed in the galleries of the Second Section of the Museum, and this section, together with the Hall of American Ethnology, was formally opened to the public on the evening of June 1.

On the recommendation of the Institute and at the request of the Park Commissioner, the HON. MICHAEL J. KENNEDY, the Board of Estimate and Apportionment, on March 15, and the Board of Aldermen, on April 18, authorized the issue of corporate stock of the City to the amount of \$131,000, to be used in providing thirty monolithic sculptures for the façades of the Museum Building, cases for the third Museum section, and roadways, walks, sewers, grading and sodding in the rear of the Museum. The sum of \$75,000 was appropriated for the maintenance of the Institute Museums for the fiscal year 1905. On April 12, Governor Higgins signed a legislative enactment requiring the removal of the Kings County Penitentiary from its

present location east of the Museum. On June 23, the Board of Estimate and Apportionment authorized the purchase by the city, as an addition to Institute Park, of the triangle of land directly east of the Museum site and bounded by the Eastern Parkway, Classon and Washington avenues. On June 15, the Park Department awarded the contract for the roadways, walks, sewers, grading and sodding in the rear of the Museum at \$10,200.

The work of constructing the third or Eastern Section of the Museum was under way during the entire year, and on July 1, the walls were at the eave-line of the building. The architects, McKim, Mead and White, prepared final drawings and specifications for the front steps and central approach to the Museum, including extensive storage rooms under the steps and platform, and the contract for the building of the steps, central approach and storage rooms was awarded on June 22 to the P. J. Carlin Construction Company at \$88,900.

The Institute has been without the use of an Academy of Music building since November, 1903. The Board of Directors of the new Academy of Music has prepared specifications during the year for a building intended to accommodate the work of the Institute. The new building will include a main auditorium seating 2,200, a chamber music room seating 1,400, a lecture room seating 400, class rooms, studio rooms and offices of administration to meet the needs of the Institute.

1905-1906

This was one of the most important years in the history of the Institute in the laying of foundations for its future usefulness. The total recorded membership was 6,347, the attendance at the Children's Museum, 93,132, at the Central Museum, 135,523; at the lectures, concerts,

readings, classes, etc., 190,089, and the total attendance, 418,744. The Endowment Funds were increased by the bequest of \$5,000 by EUGENE G. BLACKFORD. The Museum Collection Fund of 1906, made up of subscriptions by many Members, was \$9,767. \$2,000 was received for the purchase of a painting by FANTIN LATOUR—\$1,000 subscribed by A. AUGUSTUS HEALY and \$1,000 by GEORGE A. HEARN. The Biological Laboratory Research Fund (subscriptions by Members) amounted to \$955. The total income for the year, ending May 1, was \$183,332.83. Twenty-two shares of stock of the Brooklyn Art Association were presented to the Institute—most of these shares in exchange for Institute Life Membership Certificates. Six persons became Life Members by the contribution of \$100 or more to the Institute Funds. To GEORGE A. HEARN and Mrs. LILLA BROWN were issued Permanent Membership Certificates on account of the gift by each of them of \$1,000 and upwards, or property valued in excess of \$1,000.

Mrs. EUGENE G. BLACKFORD contributed the sum of \$10,000 to be used in erecting THE EUGENE G. BLACKFORD MEMORIAL HALL at the Biological Laboratory at Cold Spring Harbor.

Among the more important additions to the Museum collections are a marble sculpture, "Bacchante," by FREDERICK MACMONNIES, purchased for \$5,000 from the income of the ELLA C. WOODWARD MEMORIAL FUND; a painting, "Portrait of a Lady," by FANTIN LATOUR, purchased for \$3,500—\$1,000 being contributed by A. AUGUSTUS HEALY and \$1,000 by GEORGE A. HEARN, and \$1,500 being paid from the Museum Collection Fund of 1905; a painting, "Near the Marsh," by R. SWAIN GIFFORD, presented by the Hon. CARLL H. DE SILVER; a painting, "The Trio," by HERBERT DENMAN, presented by CHARLES H. GENUNG, EMIL CARLSEN HOWARD, and WILLIAM L. CARRIGAN in memory of Mr. DENMAN; four paintings, "The Crucifix-

ion," "A Resting Place for Prisoners," "The Road of the War Prisoners," all by V. VERESTCHAGIN, and "The Day of Pentecost," by JURIAN OVENS, presented by Mrs. LILLA BROWN in memory of her husband, the late JOHN W. BROWN; three paintings, "The Lazy Sea," by EMIL CARLSEN, "Dreamland," by HENRY GOLDEN DEARTH, and "After the Rain," by PAUL CORNOYER, purchased with the income of the JOHN B. WOODWARD MEMORIAL FUND; seventeen paintings, representing the Italian school of the 17th century, presented by FRANCIS GOTTSBERGER in memory of his wife, the late Mrs. ELIZA GOTTSBERGER, a list of which paintings is given under the Department of Fine Arts in this volume; a painting, "The Mosque," by LOUIS C. TIFFANY, presented by GEORGE FOSTER PEABODY; a series of Roman mosaics from the north of Africa purchased for \$1,743.75 from the Museum Collection Fund of 1905; a painting, "Return to the Coast," by HENRI RENE RAVANT, presented by ABRAHAM ABRAHAM; a painting, "The Fugitive," by THOMAS COUTURE, purchased from the Museum Collection Fund of 1906; a painting, "Adoption of the Constitution," by J. B. STEARNS, presented by SYLVESTER L. STEARNS; and a portrait painting of "JAMES S. T. STRANAHAN," by DANIEL HUNTINGTON, presented by Mrs. MARY S. CROXSON.

Ethnological collections from the southwest and from the Pacific Coast were purchased, at an expense of \$1,691.40 from the Museum Collection Fund of 1905, by STEWART CULIN. JULIUS W. BRUNN presented a collection of upwards of 2,500 shells; the late EDWARD B. STURGES presented his botanical collection of upwards of 10,000 specimens, and to the Natural History Collections many additions were made through the generosity of friends. Lists of gifts and loans are given in detail under the several Departments.

During the summer of 1905 expeditions were made by STEWART CULIN to Arizona, New Mexico and the Pacific coast for the collection of ethnological material; by Professor WILLIAM H. GOODYEAR, to western Europe for the development and illustration of his researches in Architectural Refinements; and by CARL SCHAEFFER, to Arizona for making collections in Entomology.

The sum of \$80,000 was appropriated by the City for the maintenance of the Museums. Specifications for the contract for furnishing thirty monolithic sculptures and for carving the pediment on the façades of the Central Museum were prepared by the architects and DANIEL C. FRENCH was selected as the sculptor. Specifications for the electric light and other fixtures for the third section of the Museum were prepared and the contract for the furnishing of the same was awarded by the Department of Parks of the City at \$4,750. The exterior of the third section was completed and the front steps and central approach were about four-fifths constructed. The land opposite the Wilinck entrance was purchased by the City and added to Institute Park. The triangle of land east of the Museum, authorized to be purchased by the City, was nearly all acquired. \$50,000 was appropriated by the City to pay the architects of the Museum for plans and a plaster model of the complete Museum building. Floor plans for a new fire-proof Children's Museum building were prepared.

ALFRED T. WHITE, a member of the Board of Trustees, in the spring of 1905 subscribed \$25,000 for instruments for the Astronomical Observatory connected with the Museum, and the State Legislature passed an Act, Chapter 637 of the Laws of 1906, authorizing the transfer of the site of the Observatory from a point southeast of the Museum to a location southwest of the Museum, near Flatbush avenue, and providing for the erection by the City of an Observatory building at a cost not exceeding \$150,000

on the new site, its maintenance by the City and its administration by the Institute under an agreement with the City, for the benefit of the people of the City, especially for the students in the public and private schools, and for the advancement of the science of Astronomy.

Through the courtesy of ALFRED T. WHITE friends of the Institute subscribed \$50,000 to the funds of the Institute to be used in the purchase of plants for the Botanic Garden and Arboretum, Institute Park; and the State Legislature passed an Act, Chapter 618 of the Laws of 1906, authorizing the City to enter into an agreement with the Institute to establish and maintain such Garden and Arboretum in Institute Park, to contribute annually for its maintenance and to erect plant houses and rooms for instruction in botany at a cost not exceeding \$100,000, the whole to be administered for the benefit of the residents of the City and especially for the instruction of students in the public and private schools of the city, and for botanical research.

1906-1907

The total membership was 6,552. The attendance at the Children's Museum was 92,996, at the Central Museum, 148,664; at the lectures, concerts, readings, classes, etc., 190,595, and the total attendance was 432,255. Forty-eight shares of stock in the Brooklyn Art Association were transferred by their owners to the Institute in exchange for Life Memberships in the Institute. The Endowment Funds of the Institute were increased by a bequest from Mrs. CAROLINE H. POLHEMUS of \$10,000, the income of which is to be used in providing for the care and increase of the Art Collections bequeathed to the Institute by Mrs. POLHEMUS, and by a gift from the late SAMUEL N. HOYT of \$20,000, to be applied for the benefit of the Institute. The sum of \$1,055 was subscribed to the Biological Laboratory Research Fund and \$8,072.20 to the Museum Collection

Fund of 1907. The income in the General Fund was \$14,400.59, in the Associate Fund, \$80,513.82, from Special Endowments, \$6,274.43, from subscriptions, \$13,027, for the maintenance of the Museum, \$83,710.15, making the total income for the year, \$197,925.99.

Mrs. EUGENE G. BLACKFORD, who contributed in 1905-6 the sum of \$10,000 to a special fund to be used in erecting THE EUGENE G. BLACKFORD MEMORIAL HALL, at the Biological Laboratory at Cold Spring Harbor, increased her contribution during the year to \$23,000. The building was completed and furnished in May, was presented to the Institute completely furnished by Mrs. BLACKFORD and her daughters, and on June 1, 1907, was dedicated with appropriate exercises.

Among the more important additions to the Museum were a collection of works of art bequeathed by Mrs. CAROLINE H. POLHEMUS, comprising 51 oil paintings, 11 water colors, 6 paintings in porcelain and many other art objects; oil paintings, as follows: "Jupiter and Antiope," of the 18th Century Flemish School, presented by DANIEL KINGSLAND DE BEIXEDON; "Spring Woods," by HENRY W. RANGER, presented by WILLIAM T. EVANS; "The Water Carrier," by HECTOR LEROUX, presented by PETER GEDDES; an altar piece (Triptych) in tempera on wood panels, by SANO DI PIETRO of Siena (15th Century), CORREGGIO's "Madonna di San Giralmo," in gallery at Parma (an 18th Century copy), and "A Street Scene in Milan," by G. BELLONI, presented by A. AUGUSTUS HEALY; "March," by BRUCE CRANE, presented by GEORGE A. HEARN; "A Horse's Head," by EIGENE VERBOECKHOVEN, presented by GEORGE FOSTER PEABODY; "A Christian Martyr" and "The Unruly Calf," the latter by WINSLOW HOMER, presented by CHARLES A. SCHIEREN; "Portrait of a Lady," by JAMES MCNEILL WHISTLER, purchased with contributions of several members; "A Market Scene in Venice," by A. MILESE, purchased

with Museum Collection Funds; "The Midnight Moon," by ELLIOTT DAINGERFIELD and "Portrait of Eugene G. Blackford," by RICHARD CREIFELDS, purchased with income of the JOHN B. WOODWARD MEMORIAL FUND. Additions were made to the Japanese collections of pottery, metal work, ivory, etc., by CARLL H. DE SILVER, ROBERT B. WOODWARD and E. LE GRAND BEERS; to the collections of china and glassware by the Reverend ALFRED DUANE PELL; to the collections of casts by CHARLES M. HIGGINS and Mrs. JULIA L. SLACK; and by purchases made with the Museum Collection Fund of 1905. A full list of the gifts, exchanges, loans and purchases of art objects during the year is given at the end of this volume.

The Henry A. Ward collections of sponges and corals were purchased from Ward's Natural Science Establishment for the sum of \$5,000 paid from the Museum Collection Fund of 1906. A list of accessions to the Scientific Collections through gift, purchase or exchange, is given at the close of this Year Book.

The Ethnological Collections were increased by the expedition of STEWART CULIN to Arizona, New Mexico and the Pacific Coast, and through the expedition of HENRI DE MORGAN to Egypt.

The sum of \$95,000 was appropriated by the city for the maintenance of the two Museums for the year 1907. The front steps, the central approach, the storerooms and substructure under the steps, and the approach to the Central Museum, were completed on December 24, 1906, at a cost of \$93,830. The third section or eastern wing of the Central Museum was completed on March 3, 1907, at an approximate cost of \$442,500. The contract for furnishing thirty monolithic sculptures for the façades of the Central Museum building and for carving the pediment of the front porticos of the same was made in January, 1907, by the Department of Parks of the city, the work to be done by DANIEL C.

FRENCH, sculptor, and sculptors that he may associate with him, at a total cost (including the architect's fees) of \$122,000. A contract was also made by the Park Department with the architects of the Museum Building in April, 1907, to furnish drawings and a plaster model of the completed Museum Building, at a cost of \$50,000, the same to be applied to the architect's regular commission, from time to time, as additional sections of the building are erected. A contract for painting and decorating the interior of the third Museum section was made by the Park Department on June 27, at \$3,630, and specifications for Museum cases for the third section were in process of preparation throughout the year.

Forms of agreement as between the city and the Institute for the establishment and maintenance of a Botanic Garden and of an Astronomical Observatory in Institute Park, in pursuance of Chapters 618 and 637 of the Laws of 1906, were prepared in accordance with surveys made, were approved by the Board of Park Commissioners on January 17, 1907, were forwarded to the Board of Estimate and Apportionment, were referred by said Board to the Comptroller, were by him favorably reported to the Board on July 8, and now await the action of the Board.

Three laws were enacted by the State Legislature affecting the Institute as follows: (1) Chapter 43 of the laws of 1907, which removes the restriction heretofore placed upon the Board of Estimate and Apportionment of the city in making annual appropriations for the maintenance of the Institute Museums; (2) Chapter 120 of the Laws of 1907, which authorizes the city to erect a new fire-proof Children's Museum building and provide for the care and maintenance of the same by the Institute; (3) Chapter 515 of the Laws of 1907, which authorizes the city to acquire the unimproved lands about the Prospect Park Plaza and along

the northern side of Eastern Parkway in front of the Central Museum Building as sites for public buildings. Copies of these laws are printed at the end of this volume.

1907-1908

The principal effort of the year was to prevent a serious reduction in the membership and a financial loss as a result of the critical business situation which began in October and continued until April. On account of the unusual effort made, the credit balance of the Institute was reduced only \$1,899.55. The membership was increased from 6,552 to 6,703. The total income available for meeting current expenses was \$209,893.63. The attendance at the Children's Museum was 97,805, at the Central Museum 194,985, at the lectures, concerts, courses of instruction, exhibitions, etc., 204,655, or a total of 497,445.

The appropriation by the city for the maintenance of the two museums was \$95,000, and the city expended in furnishing cases for collections at the Central Museum \$7,245. The subscriptions by members to the Museum Collection Fund were \$8,238, and to the Biological Laboratory Research Fund \$900.

The Institute received the International Congress of Zoölogists at its Biological Laboratory on August 27, and at the Central Museum on September 1. On December 14 the second and third sections of the Central Museum were dedicated, formally turned over to the Institute by the Department of Parks of the city, the third section of the Museum was formally opened to the public, the twelfth anniversary of the laying of the cornerstone of the Museum was celebrated and the bronze statue of General JOHN B. WOODWARD, President of the Institute at the time that the plans for the Museum were made, was presented to the Institute by the Citizens' Committee on THE JOHN B. WOODWARD MEMORIAL.

DANIEL C. FRENCH, Sculptor, and twelve other sculptors associated with him, were engaged during the year in making their studies (one-quarter size and one-half size) of the thirty monolithic sculptures for the façades of the Central Museum Building, and the designs were approved by the Trustees of the Institute, the Park Department and the Municipal Art Commission. The preliminary design for the sculptures to be placed on the pediment over the front portico of the Museum was made by Mr. FRENCH, and is ready for action by the city authorities.

Messrs. MCKIM, MEAD and WHITE, Architects, were at work during the year on the plans for the completed Central Museum Building, and the first studied drawing was completed on June 25. On account of the financial condition of the city no progress was made on the plans for the Botanic Garden, the Astronomical Observatory, and the fire-proof Children's Museum Building.

Among the more important additions to the Museum Collections were the bronze statue of General JOHN B. WOODWARD; the large collection in Egyptian art and archæology made by HENRI DE MORGAN in Egypt in 1897 at an expense of \$2,892.38, paid from the Museum Collection Funds; The De Potter Collection of Egyptian antiquities purchased at \$2,800, paid from the Museum Collection Fund of 1907; the CHARLES A. DAYTON Collection of Shells comprising 3,700 species and 20,000 specimens purchased with part of the Museum Collection Fund of 1907; twenty-seven specimens from the New York Zoölogical Society, a large collection in Ethnology secured in Arizona, New Mexico and the Pacific states by STEWART CULIN, Curator; collections of birds, mammals and other forms of life made by GEORGE K. CHERRIE, Curator, in South America and the West Indies; an Egyptian Stele in sandstone, presented by ALFRED T. WHITE; an Egyptian Stele

in black syenite, presented by GEORGE C. BRACKETT and ALFRED T. WHITE; oil paintings as follows:

From FRANCIS GOTTSBERGER:

"Christ and the Tribute Money,"

"Adoration of the Shepherds,"

"Adoration of the Magi,"

"Death of Queen Dido,"

all 17th Century Italian.

From PETER A. LEMAN:

"A Landscape," by HENRY D. SMITH;

"An Old Mill," by DAVID JOHNSON;

"An Italian Landscape," WILLIAM DE HEUSCH.

From FREDERICK B. PRATT:

"Lake Henderson," by CHARLES D. HUNT.

From GEORGE D. PRATT:

"An Interesting Game" (Cairo Café), F. A. BRIDGMAN.

From ALFRED T. WHITE (two water colors):

"Captives of Ramses II.,"

"The Bronze Statue of Buddha at Kamakura.

From GEORGE A. HEARN:

"Landscape," by ALEXANDER T. VAN LAER;

"Landscape," by CULLEN YATES.

From the JOHN B. WOODWARD MEMORIAL FUND:

"February," by E. W. REDFIELD;

"Southfield Marshes," by FREDERICK W. KOST.

CARLL H. DE SILVER presented twenty-three pieces of Japanese art; the Reverend ALFRED DUANE PELL, seven pieces of porcelain and six pieces of glass. A complete list of the additions and the loans to the Museum Collections is given on pages 263-277 of this Year-book.

The opening of the third section of the Museum has made possible a re-arrangement of parts of the Museum Collections and a fuller classification of them.

THE GROWTH OF THE INSTITUTE

I—MEMBERSHIP

	Number of Members	Annual Increase
June 1, 1888	82	
" 1889	352	270
" 1890	1,118	766
" 1891	1,342	224
" 1892	1,782	440
" 1893	2,622	840
" 1894	3,457	835
" 1895	3,764	307
" 1896	4,168	404
" 1897	4,704	536
" 1898	5,417	713
" 1899	5,975	558
" 1900	6,391	416
" 1901	6,836	445
" 1902	7,215	379
" 1903	7,278	63
" 1904	6,974	*304
" 1905	6,897	*77
" 1906	6,347	*550
" 1907	6,552	205
" 1908	6,703	151

II—NUMBER OF LECTURES AND MEETINGS

Open to all Members.

1887-88	18	1893-94	489
1888-89	90	1894-95	496
1889-90	230	1895-96	502
1890-91	310	1896-97	541
1891-92	405	1897-98	544
1892-93	482	1898-99	572

*Decrease.

NUMBER OF LECTURES AND MEETINGS.—(Cont.)

1899-00	593	1904-05	473
1900-01	591	1905-06	470
1901-02	562	1906-07	430
1902-03	564	1907-08	488
1903-04	542		

III—ATTENDANCE

	Attendance Children's Museum	Attendance Central Museum	Attendance at Lectures, Exhibitions, etc.	Total Attendance for Year
1887-88			6,900	6,900
1888-89			18,300	18,300
1889-90			46,950	46,950
1890-91			99,200	99,200
1891-92			120,500	120,500
1892-93			190,900	190,900
1893-94			212,415	212,415
1894-95			215,150	215,150
1895-96			268,580	268,580
1896-97			302,426	302,426
1897-98		126,046	334,670	460,716
1898-99		92,736	360,980	453,716
1899-00	28,261	101,261	390,225	519,747
1900-01	79,756	110,634	351,736	542,126
1901-02	84,487	113,955	*254,361	452,803
1902-03	110,834	109,395	*255,757	475,986
1903-04	95,738	115,695	*235,587	447,020
1904-05	88,413	107,150	†211,587	407,150
1905-06	93,132	135,523	†190,089	418,744
1906-07	92,996	148,664	†190,595	432,255
1907-08	97,805	194,985	†204,655	497,445

*There were no important public exhibitions of pictures or other collections outside of the museums in 1901-2, 1902-3 and 1903-4, and thereafter.

†The Institute has not had the use of any Academy of Music Building since November, 1903, for its larger gatherings.

IV.—INCREASE IN RESOURCES.

	‡Receipts	Permanent Funds
1887-88	\$4,456 70	\$37,000 00
1889-90	11,412 25	66,000 00
1890-91	13,218 11	139,000 00
1891-92	18,934 20	206,000 00
1892-93	31,641 51	211,000 00
1893-94	40,169 35	215,000 00
1894-95	44,756 13	218,383 00
1895-96	66,199 73	228,053 00
1896-97	67,983 85	228,453 00
1897-98	99,058 20	232,153 00
1898-99	119,965 12	232,153 00
1899-00	147,096 65	247,153 00
1900-01	197,844 33	256,047 73
1901-02	146,077 52	306,047 73
1902-03	159,958 09	322,447 73
1903-04	162,873 60	336,147 73
1904-05	174,537 35	343,541 14
1905-06	183,332 83	348,541 14
1906-07	197,925 99	378,541 14
1907-08	209,893 63	388,541 14

‡The receipts recorded here include only moneys available for the payment of current expenses and the purchase of objects for the Museum, but do not include additions to the Permanent Funds nor sales of securities for reinvestment.

CONSTITUTION

ARTICLE I—MEMBERSHIP

SECTION I. The membership of the BROOKLYN INSTITUTE OF ARTS AND SCIENCES shall comprise HONORARY MEMBERS, FOUNDERS, BENEFACTORS, FELLOWS, PATRONS, PERMANENT MEMBERS, LIFE MEMBERS, CORRESPONDING MEMBERS AND ASSOCIATE MEMBERS.

SEC. II. HONORARY MEMBERS shall comprise those persons who have rendered distinguished and valuable service to man by their creations, contributions, discoveries or inventions in the Arts and Sciences. The number of Honorary Members shall be limited to fifty.

SEC. III. The FOUNDERS OF THE INSTITUTE shall comprise those persons who subscribe to the funds of the Institute a sum not less than five hundred thousand dollars, or who present to the Institute sculptures, paintings, books, models, collections in science, apparatus or other property which shall be estimated by the Board of Trustees to be worth to the Institute not less than five hundred thousand dollars. So far as practicable the several Museums of the Corporation shall be dedicated to the philanthropy of the FOUNDERS and shall bear their names.

SEC. IV. The BENEFACTORS OF THE INSTITUTE shall comprise those persons who subscribe to the funds of the Institute a sum not less than one hundred thousand dollars and not exceeding five hundred thousand dollars, or who present to the Institute property which shall be estimated by the Board of Trustees to be worth to the Institute between one hundred thousand and five hundred thousand dollars. As far as practicable the several galleries of Arts and Sciences, the Libraries, Observatories, or other well-defined

portions of the property of the Corporation shall be dedicated to the philanthropy of the **BENEFACTORS**, and shall bear their names.

SEC. V. The **FELLOWS OF THE INSTITUTE** shall comprise those Associate Members of the Institute who have rendered distinguished and valuable services to man, either by their productions, contributions, discoveries or inventions in the Arts and Sciences, or by their long and eminent services as teachers of Art or Science.

SEC. VI. The **PATRONS OF THE INSTITUTE** shall comprise those persons who subscribe to the funds of the Institute a sum not less than ten thousand and not exceeding one hundred thousand dollars, or who present to the Institute property which shall be estimated by the Board of Trustees to be worth to the Institute not less than ten thousand nor more than one hundred thousand dollars. As far as practicable the property given by the **PATRONS** shall be so arranged as to testify to their philanthropy.

SEC. VII. The **PERMANENT MEMBERS OF THE INSTITUTE** shall comprise those persons who contribute to the Institute funds a sum not less than one thousand nor more than ten thousand dollars, or who present to the Institute in any one year property which shall be estimated by the Board of Trustees to be worth to the Institute not less than one thousand nor more than ten thousand dollars. **PERMANENT MEMBERS** shall be entitled to transfer their memberships respectively by will or by other legal process.

SEC. VIII. **LIFE MEMBERS OF THE INSTITUTE** shall comprise those persons who contribute to the funds of the Institute a sum not less than one hundred nor more than one thousand dollars, or who present to the Institute at any one time property which shall be estimated by the Board of

Trustees to be worth to the Institute not less than one hundred nor more than one thousand dollars.

SEC. IX. The CORRESPONDING MEMBERS OF THE INSTITUTE shall comprise those persons whose knowledge in the Arts and Sciences qualifies them to contribute special and valuable information to the proceedings of the Institute or of its several departments, and who do not reside within a radius of twenty miles of the City of Brooklyn.

SEC. X. The ASSOCIATE MEMBERS OF THE INSTITUTE shall comprise persons who are specially interested in one or more of the Arts or Sciences. The Founders, Benefactors, Patrons, Permanent Members and Life Members of the Institute shall be regarded as Associate Members, and shall not be subject to the payment of any fees or dues. All other Associate Members shall contribute to the funds of the Institute an Initiation Fee of five dollars and Annual Dues of five dollars, and after October 1, 1908, the Annual Dues shall be six dollars, payable in advance. An Associate Member shall be entitled, without additional expense, to become a member of as many departments of the Institute as he may elect, to attend all the lectures and meetings of the Institute and of its several departments, and to enjoy all the privileges for education afforded by the Museums, Lectures, Libraries and other appointments of the Institute, with the exception of the instruction given in the several Schools conducted by the Departments—the Concerts, Dramatic Readings, Special Meetings authorized by the Council, and the Institute Extension Courses of Lectures—for which a special fee for admission may be charged.

SEC. XI. The Founders, Benefactors, Patrons, Permanent Members and Life Members of the Institute shall also be known as the CORPORATE MEMBERS OF THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES.—Each Corporate Member

shall be entitled to vote in the election of Trustees of the Institute, and shall be eligible to election as a member of the Board of Trustees. The Corporate powers of the Institute shall be vested in the Corporate Members. Twenty-five Corporate Members shall constitute a quorum for the transaction of business.

SEC. XII. Honorary Members, Fellows, Corresponding Members and Associate Members shall be nominated by the Council of the Institute and elected by the Board of Trustees. A two-thirds vote shall be necessary for the nomination and election of persons to the classes of membership named in this section.

SEC. XIII. The Board of Trustees shall have power to admit any institution and its members, on such terms as the Board shall deem just and proper.

ARTICLE II—BOARD OF TRUSTEES

SECTION I. The Board of Trustees shall comprise fifty Corporate Members of the Institute. The Trustees named in the Act of Incorporation shall divide their number into five classes to be drawn by lot. The first class shall hold office for one year, the second class for two years, the third class for three years, the fourth class for four years, and the fifth class for five years, succeeding the second Friday in May, 1890. On the second Monday in January of each year ten Trustees shall be elected, who shall hold office for five years, from the second Friday of the May following, or until their successors are elected. The polls shall be open from five until six o'clock P. M. on the day of election.

SEC. II. The officers of the Board shall be a President, three Vice-Presidents, a Treasurer, and a Secretary. They shall be elected by the Board of Trustees on the second Friday in May, each year, and shall hold office for one year, or until their successors are elected.

SEC. III. The Board of Trustees shall have power to fill vacancies in the Board or its offices, and to declare the seat of any member vacant who shall have failed to attend three successive meetings of the Board, unless written excuse satisfactory to the Board shall have been presented.

SEC. IV. The regular meetings of the Board shall be held on the second Friday of each month, except the months of July, August and September, at such hour as the Board from time to time may appoint, written notices for which shall be mailed to each member.

SEC. V. It shall be the duty of the President to preside at the meetings of the Trustees, the Corporation and the Institute, and to present to the Trustees an Annual Report at the regular meeting in May. In the absence of the President, the first Vice-President in order, who is present, shall act in the place of the President.

SEC. VI. It shall be the duty of the Treasurer to take charge of the seal, money, funds and securities of the Association; to collect all accounts and sums of money due and payable to the Institute; to pay all bills and accounts when duly audited; to keep a record of all the financial transactions of the Institute, and to report the same to the Board of Trustees as often as required.

SEC. VII. The Board of Trustees shall elect a Director, who, subject to the direction of said Board, and the several Committees of the Board, shall have charge of the Museums and Libraries of the Corporation; shall execute the wishes of the Board and of its several Committees; shall have general charge and supervision of the educational work of the Institute; shall labor for the best interests of the Corporation and report to the Board as often as it shall require concerning the work and needs of the Institute.

SEC. VIII. It shall be the duty of the Secretary to make and keep a record of the proceedings of the Board of Trustees; to send notices of all meetings of the Board; to notify all persons of their election as Trustees and officers, and to make an Annual Report to the Trustees in the month of May on the progress of the Institute.

SEC. IX. The Secretary shall call special meetings of the Board at the written request of the President, or of any ten Trustees.

SEC. X. All elections shall be by ballot. A majority of the votes cast shall be necessary to an election.

ARTICLE III—COMMITTEES OF THE CORPORATION

SECTION I. The President shall appoint annually in the month of May the following Standing Committees of five members each:

- 1 COMMITTEE OF WAYS AND MEANS
- 2 COMMITTEE ON ART MUSEUMS
- 3 COMMITTEE ON MUSEUMS OF SCIENCE
- 4 COMMITTEE ON ETHNOLOGY
- 5 COMMITTEE ON LIBRARIES
- 6 COMMITTEE ON LECTURES
- 7 COMMITTEE ON EDUCATION
- 8 COMMITTEE ON MUSIC
- 9 COMMITTEE ON BOTANIC GARDEN AND ARBORETUM
- 10 COMMITTEE ON ASTRONOMICAL OBSERVATORY
- 11 COMMITTEE ON MEMBERSHIP

The President and Treasurer shall be *ex-officio* members of each of the Standing Committees.

SEC. II. The President, Treasurer and Secretary of the Board, together with the Chairmen of the Standing Committees, shall constitute the EXECUTIVE COMMITTEE of the Board of Trustees. The President and Secretary of said Board shall be respectively President and Secretary of the Executive Committee.

SEC. III. The EXECUTIVE COMMITTEE shall, under the direction of the Board of Trustees, have the general care of the Institute Buildings, make necessary repairs, regulate the use of the buildings and the collections by the public; shall have charge of making all contracts on behalf of the Board of Trustees; shall have power to audit all bills against the Institute, and, in general, execute the will of the Board in all matters not specially delegated to other committees or persons. During the months of July, August and September, when the Board of Trustees has no regular sessions, the Executive Committee shall have authority, in such manner as it shall determine, to act on behalf of the Board of Trustees.

SEC. IV. The COMMITTEE OF WAYS AND MEANS shall, under the direction of the Board of Trustees, have charge of the collection, increase and investment of the endowment and permanent funds of the Institute, and shall have general charge of the financial interests of the Corporation.

SEC. V. The COMMITTEE ON ART MUSEUMS, under the direction of the Board of Trustees, shall have the general charge of the art collections of the Institute and the exhibition of the same; shall effect the purchase, loan or sale of all works of art on behalf of the Institute; and, in general, shall endeavor to increase and improve the art collections of the Corporation.

SEC. VI. The COMMITTEE ON MUSEUMS OF SCIENCE, under the direction of the Board of Trustees, shall have general charge of the scientific collections of the Museums and their exhibition; shall effect the purchase, loan or sale of all collections illustrating the sciences, on behalf of the Institute; and, in general, shall endeavor to increase and improve the collections and the facilities of the Institute for scientific research.

SEC. VII. The COMMITTEE ON ETHNOLOGY, under the direction of the Board of Trustees, shall have general charge of the ethnological collections of the Museum and their exhibition; shall endeavor to increase and improve the collections in Ethnology, and provide facilities for ethnological research.

SEC. VIII. The COMMITTEE ON LIBRARIES, under the direction of the Board of Trustees, shall have general charge of the Libraries of the Institute and their arrangement and use; shall effect the purchase, loan or sale of all books, pamphlets or other materials properly belonging to the Libraries, on behalf of the Corporation; and, in general, shall endeavor to increase and improve the Libraries of the Institute, and their usefulness to all who have access to them.

SEC. IX. The COMMITTEE ON LECTURES, under the direction of the Board of Trustees, shall have general charge of the courses of lectures given under the auspices of the Institute.

SEC. X. The COMMITTEE ON EDUCATION, under the direction of the Board of Trustees, shall have general charge of the work undertaken by the Institute for the benefit of those citizens, schools and higher institutions of learning in the city that seek to avail themselves of the opportunities

afforded by the Institute for systematic instruction, investigation, production or research.

SEC. XI. The COMMITTEE ON MUSIC, under the direction of the Board of Trustees, shall have general supervision of the concerts and musical instruction given under the auspices of the Institute.

SEC. XII. The COMMITTEE ON BOTANIC GARDEN AND ARBORETUM, under the direction of the Board of Trustees, shall have general supervision of the grounds adjacent to the Museum Building and of any Botanic Garden or Arboretum that may be located on such lands.

SEC. XIII. The COMMITTEE ON ASTRONOMICAL OBSERVATORY under the direction of the Board of Trustees, shall have supervision of the Astronomical Observatory and of the scientific and educational work conducted in connection therewith.

SEC. XIV. The COMMITTEE ON MEMBERSHIP, under the direction of the Board of Trustees, shall have charge of the admission of members, and the general increase of the membership of the Institute.

SEC. XV. The Committees named in this article shall make a report to the Board of Trustees at each regular meeting.

ARTICLE IV—THE ASSOCIATE MEMBERS

SECTION I. The active educational work of the Institute in the Arts and Sciences shall be conducted by the GENERAL BODY OF ASSOCIATE MEMBERS, and the several Departments organized by them, under the authority of the Trustees.

SEC. II. The officers of the General Body of Associate Members shall be a President, a Vice-President from each

Department, a Treasurer, and a Secretary. The foregoing officers, together with the President of the Board of Trustees and the Director of the Institute, shall constitute the Council of the Institute.

SEC. III. The following Departments composed of the Associate Members of the Institute may be formed: ANTHROPOLOGY, ARCHAEOLOGY, ARCHITECTURE, ASTRONOMY, BOTANY, CHEMISTRY, DOMESTIC SCIENCE, ELECTRICITY, ENGINEERING, ENTOMOLOGY, ETHNOLOGY, FINE ARTS, GEOGRAPHY, GEOLOGY, LAW, MATHEMATICS, MICROSCOPY, MINERALOGY, MUSIC, PAINTING, PEDAGOGY, PHILOLOGY, PHILOSOPHY, PHOTOGRAPHY, PHYSICS, POLITICAL SCIENCE, PSYCHOLOGY, SCULPTURE, and ZOÖLOGY.

SEC. IV. The officers of each Department shall be a President, a Vice-President, and a Secretary. Such additional officers, constitution, by-laws or rules and regulations as are required by any Department in the accomplishment of its work, and are not provided by the general organization of the Institute, shall be provided by the Department itself. The President of a Department shall be a Vice-President of the General Body of Associate Members.

SEC. V. The Annual Meeting of the Associate Members shall be held on the Tuesday following the first Saturday in May. The Annual Meetings of the various Departments of Associate Members shall be held in April. All other meetings of the Departments shall be arranged by the Departments themselves.

SEC. VI. The regular meetings of the Council shall be on the first Monday in each month, omitting July, August and September. The regular meeting in May shall also be the Annual Meeting of the Council. At its Annual Meeting the Council shall elect its President, Treasurer and Secre-

tary, who shall be also respectively the President, Treasurer and Secretary of the Associate Members.

SEC. VII. It shall be one of the duties of the President of the Associate Members to present at their Annual Meeting, or at the close of his term of office, an address, which shall include a review of the present condition of some Department of the Arts and Sciences. This address shall be incorporated in the proceedings of the Institute.

SEC. VIII. The Council shall recommend to the Board of Trustees measures that will facilitate the general work of the Institute and of its various Departments in the Arts and Sciences, and shall have the direction of the general work of the body of Associate Members.

SEC. IX. The Council shall appoint at its regular meeting in May the following Standing Committees of five members each:

- 1 COMMITTEE ON LECTURES AND MEETINGS
- 2 COMMITTEE ON PUBLICATIONS
- 3 COMMITTEE ON MEMBERSHIP
- 4 COMMITTEE ON APPARATUS
- 5 COMMITTEE ON SCIENTIFIC WORK
- 6 COMMITTEE ON FINE ARTS.

The President and Secretary of the Council shall be *ex-officio* members of the Standing Committees.

SEC. X. Propositions for Associate Membership and Corresponding Membership shall be presented to the Council. Persons already Associate Members or Corresponding Members may be elected members of any Department by the Department itself. The President of the Board of Trustees, the Director of the Institute, and the

President and Secretary of the Associate Members, shall be *ex-officio* members of each Department of the Institute.

SEC. XI. It shall be the duty of each Department of Associate Members to make an annual report in the month of May to the Board of Trustees and to the Council of Associate Members on the work, the needs, the membership, and the attendance of the Department.

ARTICLE V—COLLECTIONS AND FUNDS

SECTION I. The Board of Trustees shall empower the Departments of the Institute to make, classify, preserve and exhibit the collections in the Departments of the Arts and Sciences belonging to their respective branches. Collections shall be admitted to the Museum and Libraries when they shall have been approved by a Committee of Experts appointed by the Department or Departments immediately concerned, and when approved by the Board of Trustees.

SEC. II. The Annual Dues received from the Associate Members shall be apportioned by the Trustees, on recommendation of the Council, among the various Departments of Associate Members, due regard being had for the number of members, the average attendance, the amount and character of the work done and the needs of each Department. All other moneys received by the Institute shall be placed to the credit of the General Fund of the Institute, unless otherwise designated by the Board of Trustees, or by the person or estate from which they are received.

ARTICLE VI—AMENDMENTS

This Constitution may be amended by the concurrent vote of the Board of Trustees and the Council, at regular meetings of the same, provided written notice of the proposed amendment is mailed to each member of the respective bodies at least four days before their respective meetings.

BY-LAWS OF THE BOARD OF TRUSTEES

SECTION I. The Order of Business at the meetings of the Board of Trustees shall be as follows:

- 1 Reading of Minutes
- 2 Communications
- 3 Report of Treasurer
- 4 Report of Director
- 5 Report of Curator-in-Chief
- 6 Report of Executive Committee
- 7 Report of Standing Committees
- 8 Report of Special Committees
- 9 Election of Officers or Members
- 10 Unfinished Business
- 11 Motions and Miscellaneous Business

This order may be suspended by vote of the Board at any meeting.

SEC. II. All bills against the Institute, whether for its educational work or for its Museums, shall be contracted only under the authority of the Board, and shall be presented to the Executive Committee to be audited. Whenever any bill against the Institute has been so audited, the Treasurer is authorized to pay the same.

SEC. III. The Treasurer shall make a monthly report of the finances of the Institute, and an annual report at the regular meeting in May.

SEC. IV. The Board of Trustees may elect an auditor, to hold office during the pleasure of the Board, whose duty it shall be to audit the accounts of the Treasurer, and who shall report thereon from time to time as the Treasurer may require or as the Executive Committee may direct. The

compensation to be paid such auditor shall be fixed by the Executive Committee subject to the approval of the Board of Trustees.

SEC. V. The Director shall present a report of the work done by the Institute in each succeeding month, and an annual report of the work of the Institute at the regular meeting of the Board in the month of May.

SEC. VI. The Executive Committee shall present monthly reports at the regular meetings of the Board, and shall present an annual report at the regular meeting in May.

SEC. VII. The President, Treasurer, Director and Secretary may incur petty expenses in the discharge of their duties, the sum of which shall not exceed One Hundred Dollars, in each case, in any given month.

SEC. VIII. The Director shall give as much of his time to the Institute and its interests as the Board of Trustees shall demand, and shall receive compensation therefor. The compensation shall be fixed each year by the Trustees.

SEC. IX. These By-Laws may be amended at any regular meeting of the Board, provided notice of the proposed amendments is mailed to each member of the Board, at least four days previous to the meeting.

WORK OF THE YEAR

1907-1908

ANNIVERSARY MEETINGS AND ADDRESSES

I. THE DECENNIAL OF THE SCHOOL OF PEDAGOGY

The Institute celebrated the Tenth Anniversary of the founding of the School of Pedagogy on Tuesday evening, October 8, in Association Hall. WILLIAM H. MAXWELL, Ph.D., LL.D., Superintendent of Public Instruction in New York City, delivered an address on "Freedom under the Law in Education." Dr. WILLIAM L. FELTER, Ph.D., presided at this meeting, and in a brief speech, introduced Dr. Maxwell.

II. THE FIRST GENERAL MEETING OF MEMBERS

The Institute held its first General Meeting for the year 1907-1908 on Monday evening, November 25, in Historical Hall. The Hon. ST. CLAIR MCKELWAY, LL.D., presided and delivered an opening address. The Reverend EDWARD EVERETT HALE, D.D., LL.D., Chaplain of the Senate of the United States, delivered an address, entitled "Lift Where You Stand."

III. THE JOHN GREENLEAF WHITTIER CENTENNIAL

The Institute commemorated the One Hundredth Anniversary of the Birthday of JOHN GREENLEAF WHITTIER on Tuesday evening, December 17, in the Baptist Temple.

The programme follows: An Introductory Address by FRANKLIN W. HOOPER, M.A.; Readings from Whittier's Poems, by Mrs. BERTHA KUNZ BAKER, and the Centennial Address by Reverend SAMUEL M. CROTHERS, D.D., of Cambridge.

IV. ANNUAL PUBLIC MEETING OF THE DEPARTMENT OF POLITICAL SCIENCE

The Annual Public Meeting of the Department was held in Association Hall on Wednesday evening, January 8, at quarter after eight o'clock. An Address on "Some Political and Social Tendencies of the Time" was delivered by Honorable THEODORE E. BURTON, LL.D., Congressman from Ohio.

V. THE WASHINGTON ANNIVERSARY MEETING

The Institute commemorated the One Hundred Seventy-fifth Anniversary of the Birthday of GEORGE WASHINGTON on Saturday evening, February 22, in Association Hall, by a Memorial Address on AUGUSTUS SAINT GAUDENS, delivered by KENYON COX, N.A. A. AUGUSTUS HEALY presided and gave an Introductory Address.

VI. THE HUGO GROTIUS ANNIVERSARY MEETING

The Institute commemorated the Three Hundred and Twenty-fifth Anniversary of the Birthday of HUGO GROTIUS on Friday evening, April 10, in Historical Hall. An Address on "The Relation of Hugo Grotius to Maritime Law" was given by HARRINGTON PUTNAM, Member of the Committee on Admiralty Law; and an Address on "The In-

fluence of Hugo Grotius in the East" was given by the Honorable SAKUYÉ TAKAHASHI, LL.D., Professor of International Law, University of Tokio.

VII. CELEBRATION OF THE TWELFTH ANNIVERSARY OF THE LAYING OF THE CORNER-STONE OF THE NEW MUSEUM, EASTERN PARKWAY, AND THE DEDICATION OF THE SECOND AND THIRD SECTIONS OF THE MUSEUM BUILDING NOW COMPLETED

The Institute celebrated the Twelfth Anniversary of the LAYING OF THE CORNER-STONE of the New Museum of Arts and Sciences, and dedicated the Second and Third Sections of the Museum Building on Saturday afternoon, December 14. The exercises were held in the Auditorium of the Museum at half after three o'clock, with the following programme:

An Introductory Address, by A. AUGUSTUS HEALY, President of the Board of Trustees of the Institute; an Address of Dedication, by the Reverend L. MASON CLARKE, D.D., President of the Council of the Institute; an Address on "The Institute and the Museum," by FRANKLIN W. HOOPER, M.A., Director of the Institute; an Address on "The Modern Museum," by FREDERIC A. LUCAS, Curator-in-Chief of the Museums of the Institute; an Address on "The City of New York and the Institute," by Honorable BIRD S. COLER, President of the Borough of Brooklyn; an Address on "The Museum and the Department of Parks," by Honorable MICHAEL J. KENNEDY, Commissioner of Parks, Boroughs of Brooklyn and Queens; an Address on "The Interest of the Citizen in the Museum," by Ex-Mayor CHARLES A. SCHIEREN, First Vice President of the Board

of Trustees of the Institute; Presentation of a Statue of General JOHN B. WOODWARD, by ELIJAH R. KENNEDY, representing the JOHN B. WOODWARD Memorial Committee; Dedicatory Prayer and Benediction, by the Very Reverend EDWARD W. MCCARTHY, LL.D.

ADDRESS OF A. AUGUSTUS HEALY

Just twelve years ago this very day, on the 14th of December, 1895, the cornerstone of this building was laid, amid impressive exercises held in a tent, by Mayor CHARLES A. SCHIEREN, who is happily with us to-day, and who, good citizen that he is, I trust will be with us for many a year to come. To-day we meet in this commodious hall to dedicate, and in a formal way open to the public, the Third Section of our Museum Building, the addition of which completes the entire north front of the edifice. We dedicate the building to Art and to Science, but more especially, through those, to the cause of popular education and elevating popular enjoyment. Our exercises this afternoon will be brief, not because we are unmindful of the importance and deep significance of the event which we celebrate, but because we desire that you shall have an opportunity to inspect the building and glance at some of the exhibits which we have in place.

We are able to show you the interior of the building to-day in a nearly finished state, though not yet fully equipped for purposes of exhibition. Externally, there remain to be added the thirty colossal sculptures which are to adorn and complete the design of the façade and which will form its most interesting and impressive feature. These are now in course of execution by DANIEL C. FRENCH and his associate sculptors. When they are in position, and when the building has received its proper setting upon the ground, Brooklyn will have upon this superb

site an example of architecture which in dignity of proportion, and in classic beauty will, perhaps, not be excelled upon this continent and which will remain for all the people a joy forever.

The Trustees of the Institute and all associated with them in the creation of a museum for Brooklyn have, through many years, with eager eyes, with anxious hearts, but with resolute purpose, looked forward to the point of accomplishment which we have now reached in our great enterprise. We have not permitted ourselves to rest until the north front of the building should be finished, so that it might be able to present itself, upon one side at least, architecturally complete, and so that we might have sufficient interior space for the display of the various collections of interest and value that were constantly being acquired through the liberality of our citizens. Much time has been required to attain this result. Before the cornerstone was laid in 1895, several years of preliminary work had to be done, and during the twelve intervening years since that date, much thought and much effort have been given to the project. Largely it has been pioneer work. We have been learning how to equip, how to arrange and how to conduct a museum. The Director, our curators and responsible employees have all performed their duties with intelligence and enthusiasm born of keen personal interest and pride in the constantly expanding museum. Generous citizens have made liberal contributions either of money or of objects for exhibition, and these, we feel sure, give promise of still larger donations as the Museum becomes more widely known, and its beneficent work better understood. And so it has come to pass that this institution is now established upon a strong, solid and permanent foundation. It has vindicated its claim to public usefulness, its right to public and private support, and its future is now secure.

All this would have been impossible if it had not been for the wise liberality of successive administrations of the city government in granting funds for construction and maintenance. They have recognized that a Museum of Science and Art is a complement of the public school system. They have perceived that both intellectual and material advantage would come to the city from having within its borders a resort for the masses of this populous borough where they could find rational and elevating enjoyment that would lift them, temporarily at least, into an atmosphere possibly superior to that in which they habitually dwell, where they could come under the refining influence of works of Art or learn to read a little of Nature's infinite book of secrecy. Great credit is due to the representatives of the Borough of Brooklyn in the Board of Estimate for the intelligent interest they have manifested in the Museum, both by public speech and official action. The Park Commissioner for the Borough of Brooklyn, with whom officially we are in constant relation, and under whose direction the construction of the Museum Building has for several years progressed, careful to safeguard the interests of the city committed to his hands, has given painstaking, thorough and intelligent consideration to all matters relating to the Museum which has been most helpful in promoting the success of the work.

Having reached the present stage of progress in our Museum work, in the language of the Apostle, we feel not as though we had already attained. On the contrary, we feel that we have made but a beginning. We are yet in our infancy. We are very conscious of our shortcomings. We have done the best we could with the means and the material at our disposal, and anxiously await the further donations, which in good time will come, that will enable us to raise the standard of our exhibits, as regards quality and importance, and supply many deficiencies in the Mu-

seum. With thanks for what we have hitherto been able to accomplish, we here, upon this twelfth anniversary of the laying of the cornerstone of the Museum, renew our faith in the work and take courage to go forward.

ADDRESS OF REV. L. MASON CLARKE, D.D.

Mr. President, Officers and Members of the Brooklyn Institute, Ladies and Gentlemen:

This is an hour of genuine joy, an occasion of honorable pride and congratulation.

We have come together in order to dedicate to the name of Good Letters the section of a great Museum which, when it shall stand complete upon this beautiful and commanding site, will be one of the most noble and notable structures within the compass of this imperial city. What we now see is but a fragment of what is yet to be. We are only joining another fair and shining link to a bright and splendid chain which already reaches far into the past and which must also extend still farther into the years that are to come.

Or, if I may change the figure, we are gathered here to-day to mark the growth of a stately tree, whose roots have long since buried themselves in strong embrace, around historic associations, whose life has been nourished by the benedictions of generations gone, whose further progress we of the present time have watched with affectionate interest and care, but whose perfected symmetry and beauty will enrich and adorn the generations yet to be born.

Therefore, we look both backward and forward. The feeling which animates this occasion partakes of both gratitude and confidence. Our rejoicing is quickened by precious memories and by inspiring hopes.

If, for a moment, we turn first toward the past, in order to recognize, as we surely ought to do, the work of those into whose labors we have entered, and who began what we are only carrying forward, our delight in all that this present hour signifies to us and to the vast community which gathers increasingly about this growing structure, can hardly fail to be mingled with a sense of impoverishment because some of those distinguished voices which were wont to speak for whatever is best and noblest in our public life, and which gave such grace and dignity to past occasions similar to this, are no longer heard among us, and their echoes are missing from this place to-day.

Not improperly, I may mention in particular one colossal man to whom this Institute and all Brooklyn as well, instinctively turned when a supreme voice was needed to give expression to the high value of some civic event—who spoke, at the first breaking of ground for this Museum, the word of courageous prophecy, who again was heard when yonder cornerstone was fixed into its place of special honor—and who yet again represented, both in his own magnificent person, and in his finished address, the significance of that moment when the first section of this great building was dedicated—whose influence and spirit are inextricably woven into the life and ideas of the Institute, under the auspices of which we are now assembled—Dr. STORRS—who, being dead, still lives and speaks in the silent realities which give to this occasion its significance and worth.

“And is he dead whose glorious mind
Lifts thine on high?
To live in hearts we leave behind
Is not to die.”

And if I mention no other name among the many of those who have gone and whose memory no less deserves

our gratitude and affection, it is because his name will almost inevitably suggest the others—a company of men of public spirit and generous culture, who made this community known wherever scholarship is loved and character is respected.

It is much for us to feel that we of the present are, at least, the heirs of such a not distant past. But our faces are turned forward as well.

We come to bring our congratulations to the city which is dearer to us than any of its citizens, and whose work we witness in this growing pile.

We also congratulate the Institute upon this signal advance in the realization of its long-cherished plans and hopes.

We congratulate, too, the men whose generous devotion to the interests that are here embodied, now beholds this added measure of success and victory.

And we congratulate ourselves—the people of this community—because of what this achievement is to mean to the multitude we may represent.

In the few moments which have been so courteously granted to me in these exercises to-day—but for which I have so inadequate ability—I venture to ask you to think very briefly, of the relation of such an Institution as this Institute of Arts and Sciences to the welfare of this rapidly growing city. What practical purpose does it serve and how does it minister to the common life of the people? What is the significance of this enlarging structure to the commerce, education and morals of the city which builds the structure in the midst of its hurrying life? And the first answer to be given to these questions is that all institutions like this gather up into themselves and transmit to the future so much of the best that has been in the past.

I think it is GEORGE ELIOT who defined a great book as a colossal man, who lives from age to age and thus binds

the past to the future in a splendid continuity of life. But that observation is even more fitting in the case of a great institution like this. Like a man it has its life, its character, and its ideals. Like a man it grows in strength and usefulness and dignity. But it is also more than any man, for it possesses a permanence and stability outlasting successive ages of man.

And further still, it has that happy fortune which is beyond the measure of any man's privilege or power, to embody the spirit and influence of the best men of yesterday and of to-day, and perpetuate these forces into the increasing life of to-morrow.

And we are here to-day, not simply to dedicate these tons of steel and stone which rise before us in so graceful proportions, shaped by skill and art into the uses of a Museum, but we come together rather to dedicate ourselves to those invisible realities which animate this occasion, and which link our little lives to the republic of enduring things.

In his essay on "The Causes of the Opulence and Magnificence of Cities" Sir WALTER RALEIGH mentions as the third cause, the presence of institutes of learning, which are like living fountains that spring up from the ancient rocks beneath and distribute streams of refreshing grace into every humblest home.

For a city has its higher life as truly as a man.

An aggregation of a million and a half of people without some noble and majestic expression of its intellectual ambitions and its spiritual ideals would be a sad achievement and an impoverished accomplishment. However many may be the private endeavors to provide schools and colleges, and the usual equipment for education, it is when the city itself, in its impersonal personality owes its duty to the larger culture of its citizens and creates or helps to create worthy expressions of its faith in such values as are

represented here—it is then, I say, the city declares and displays its consciousness of the ideal of a city.

A city is more than a collection of citizens—more permanent, more precious than any of its people.

It has a certain character of its own which is more than that of any individual, and distinct from that of all its separate constituents—just as this air we breathe possesses elements unlike any that belong to the different ages which mingle together in order to compose it.

Therefore, one great significance of this occasion is in the fact that the city—as a city—has sought to make some worthy utterance of its deepest faith and its richest life.

Immense as the triumphs of commerce may be, solid as are the material foundations of our city's welfare, beautiful also in all its natural surroundings, with this unmatched commingling of sea and shore and sky, in all of which we rejoice with pride and satisfaction, yet we feel the thrill of a still deeper joy, when the city expresses something of its idealism in a great movement dedicated to the highest culture of all its people.

And furthermore this is an idealism which is related to the daily lives of all.

The relation of such a Museum, and of such an Institute as this, is not remote from commerce, from the public school, from the busy work of average men. Ideals are not unconnected with facts of practical moment, but they serve to keep alive the spirit of aspiration, to stimulate the energy with which we do our common work, and to illumine the path along which the lowliest man may walk as he goes to his daily task.

Such, as I conceive it, is the significance of this Institute.

What we call practical knowledge is as dependent upon what men often consider to be impractical knowledge, as the navigation of a ship is dependent upon the stars or the measurement of celestial spaces.

The science that uncovers the remains of an age so separated from us that its years are counted by millions, is ministering to the vision which enriches every man's life and which expounds every man's thought.

The art which paints the costliest canvas, or which chisels the rarest marble, is also affecting the homes and the culture of all the people.

The inventive genius which brings into business a multitude of contrivances for comfort or service, or convenience—which lights our streets, or carries our traffic, or bears our messages with the speed of lightning—that genius, I say, is possible only because a host of seemingly abstract thinkers and workers have labored before—living like stars apart, and finding the secrets of the past.

Into the skull of an EDISON have flowed the influence of THALES and ARCHIMEDES, of KEPLER and of NEWTON, of COPERNICUS and ROGER BACON, and there is no aristocracy of knowledge which may not be related vitally to the democracy of living.

There is no department of practical life which this Museum and the Institute that cherishes it may not touch and quicken and adorn.

But there is still a further meaning in what we do to-day.

The function of such an Institute is something more than the promotion of knowledge or the establishment of a center of intellectual treasure which may directly or indirectly affect the material welfare of this community.

I like that old descriptive term which comes to us from the distant days of Rome, and which tries to express the relation of knowledge to the *art of living*—that phrase "The Humanities."

More than knowledge, more than science or art or philosophy—when considered each by itself, or all together—"The Humanities" mean all this knowledge in its bearing

upon the task of making man more completely human, of helping every man to know how splendid a thing it is to live, and realize what humanity truly is.

You remember the old fable which says that the gods in the beginning divided man into men, that he might be the more useful to himself, just as the hand is divided into fingers. Thus it came about that man—the great unit of intelligent life was split up into fractions, and hence we have the specialization which men exhibit—that which Mr. EMERSON called “The Amputated Fragments of the Man.”

But none of these fragments can perform its function apart from the rest. Each separate man can never be the man he ought to be, unless he remembers and honors the Humanity of which he is only a fraction.

If knowledge ever fails as it often does fail, when it degenerates into pedantry or exclusiveness or selfishness, it is like a severed limb, repulsive and putrifying, which men bury out of their sight.

But when knowledge owns its duty to the unity of living, when it keeps before itself the vision of Humanity—the *one totality of Man*—then it relates itself to all that is most valuable and permanent in human life and men honor it and build its stately temples one by one.

The influence of this Institute is something more than in the direction of collecting information and spreading it abroad—more than to educate a selected coterie of intellectual zealots—rather it is to enlarge the *humanity of all the people*, to increase that spirit *which makes men live for Man*, and which lifts the standards of life for every one.

When a great city builds or fosters an Institution like this for the broad and generous culture of its people, it gives an indication of the presence of that spirit which is quick with some *enthusiasm for Humanity*.

If in a single word the genius of all that is represented here to-day could be expressed, that word would be "*Opportunity*," for the supreme purpose of all this engaging enterprise is to fling open before every one who will enter the gates of fellowship with all that is best in the republic of culture, and to invite the multitude to partake of the banquet which the best in all the ages gone can provide.

And lastly:

Closely allied to all that I have so imperfectly outlined and inseparable from it, there is also the moral significance of this occasion.

I cannot believe that we are all unmindful of the fact that we are now dedicating a structure which is to influence the *moral* welfare of this community.

Whether or not the ancient Greek was right when he declared that "Knowledge is Virtue," we shall all agree that knowledge *tends* to virtue, and that any institution which aids men in the attainment of knowledge is also fostering the moral strength of the community.

The passion for truth is a moral passion. It cultivates that spirit of *wonder* which completes itself in reverence.

It discovers those laws of governance and order which bind the souls of men into society as truly as they hold the stars in a universe of space.

There is no such thing as "art for art's sake," or "science for the sake of science," but all art and all science are in order that men may learn better how to do what LAWRENCE OLIPHANT so felicitously called, "to live the Life!"

It requires no imagination to see in these walls and halls the spiritual, invisible forces which have created them.

Conscience has had some share in all this work.

Character has found expression in these outlines.

Faith has put forth its hand in shaping this plan.

Here rises, stage after stage, a monument which is to appeal through years to come—for life, for the best life of all the people.

This building, bearing on its front and sides the names of the greatest in every age and clime, is a symbol of that catholicity of life which rejoices in the truth, from whatever source the truth is flashed, and through whatever medium it is conveyed.

In the Republic of letters there are no barbarians, except those who prefer to be ignorant. In the Democracy of truth there is no tyrant and no oppressor for all partake of that liberty which makes all men free.

In this faith and love we dedicate this structure.

With conscious pride we open its doors to the generations yet to come.

May this Museum extend its walls from time to time, and lift above them all its unifying dome, and there in its finished and consummate strength may it stand a great Temple of Light and Blessing through that future which our eyes shall not behold!

ADDRESS OF FRANKLIN W. HOOPER, M.A.

Founded in the work of AUGUSTUS GRAHAM and his associates and in the need in the early part of the last century of a public library for the use of apprentices and other youth in the old town of Brooklyn; founded in the work of AGASSIZ, DANA, GRAY, HENRY and MORSE, of GARRISON, SUMNER, PHILLIPS and BEECHER, of EMERSON, EVERETT, CURTIS and STARR KING—foremost men of science, emancipators of a race, great public teachers in that period of American History when the public platform was the chief means of education in the great social, political and ethical questions which commanded the attention of our young Republic during the memorable period of the anti-slavery

movement and the Civil War; founded in the need of a young and rapidly growing city for an institution which through its library, its lectures, its public assemblies, and its social functions should form a center of intellectual, social and political activity; founded in the work of those men and women who two decades ago realized the greater needs of a cosmopolitan community and caused to be born out of the old Brooklyn Institute in Washington Street, the new Brooklyn Institute of Arts and Sciences with plans and purposes based upon the early history of old Brooklyn and her Institute; founded also in the genius of our American institutions and in the prophecy of the America that is to be; fostered during the last two decades by the wisdom and foresight of trustees and councillors, by the generosity of many hundred philanthropic men and women; by the love and devotion of thousands of members who represent the highest and noblest in our civic life; fostered by all the other educational institutions and influences of the city; fostered by the city in its corporate capacity and by all her citizens; consecrated for all time to the uplifting of humanity by the sacrifices made more especially by those whose voices we no longer hear among us, but whose life-work has wider, deeper influence as the years go by—by General JOHN B. WOODWARD, whom to know was to love, and whose work as a citizen, as a soldier and as an officer of this Institute, we are to commemorate anew this day; by the Rev. CHARLES HENRY HALL, friend of ABRAHAM LINCOLN, Rector of Holy Trinity Church, President of the Council of the Institute—a great citizen; by the Rev. RICHARD S. STORRS, the Chrysostom of the platform and the pulpit, Pastor of the Church of the Pilgrims, First Vice-President of the Board of Trustees for many years—prince of men; by JAMES S. T. STRANAHAN, founder of the Park System of Brooklyn, Vice-President of the Board

of Trustees and first citizen of Brooklyn; HENRY K. SHELDON, a founder of the Brooklyn Philharmonic Society, Chairman of the Music Committee of our Board of Trustees, our foremost patron of musical art; by EUGENE G. BLACKFORD, a Vice-President of the Institute, Chairman of its Committee on Museums of Science, President of the Biological Laboratory, patron of the natural sciences, and a sterling citizen; by the Rev. CHARLES R. BAKER, Rector of the Church of The Messiah, member of the original committee on the establishment of this Museum, a man of the finest instincts and of holy life; by EDWIN BEERS, most modest of men, first Treasurer of the new Institute of Arts and Sciences, devoted to its interests, beloved of all who knew him; consecrated by the labors of these men and of many other men and women who have labored with them; and sanctified by the blood of patriots, shed along these heights in the war for independence *is this Museum* dedicated this afternoon.

If there be any one who looks upon this stately, commanding and beautiful building as an end in itself; if there are those who are worshippers of wood and stone, I would say, as did HORACE MANN in the great Cathedral at Canterbury, "If the serried columns, lofty arches and pictured windows will help men to live a larger and higher life, the Cathedral is worth all that it cost." If there be those who take special delight in scientific collections and classifications, by the study of these they will learn to look through nature up to Nature's God. If there be those who rejoice in the graceful form of chiseled marble, or the beauty of a pictured Madonna, they will learn through these to find a beauty that is past all understanding. If there be those who love truth for truth's sake, they will find it here—truth not an end in itself, but that truth by which the shackles fall from our feet; by which our hands become

diligent with the works of righteousness; by which our minds are opened to the light of reason, and by which our hearts are opened to the love of God. And if there be any one so untutored as to love Art for Art's sake, even his eyes in these halls and galleries shall be annointed and he shall see that beauty in art is but the embodiment of the beauty of the infinite One. This building, and these collections are but a means to an end, the development of the faculties of the soul formed in the image of its Creator with capacities infinite in number and each faculty infinite in its possibilities.

The Museum shall contain great collections illustrating the history of life, the history of the earth, the history of the universe. These collections shall be as "footprints of the Creator," every form the expression of a divine idea, and the sum of all the forms, the expression of divine wisdom—an epitome of the work of the Creator.

And in these galleries there shall be great works of art. Go with me to one of the upper galleries to-day and stand before one of the great paintings of the Museum, one of the great paintings of all time—a great religious picture. It is entitled "The Storm," by DIAZ. The sky is black with threatening clouds; the storm is blowing from the north-east; the heather is rough and untrodden. In the foreground is the bent figure of an old man braving the storm. On the distant western horizon is the dim outline of his home. Through an opening in the clouds the light falls upon his unbroken pathway, and by the light that God giveth him he is finding his way home.

Or go with me to another gallery where the artist has caused to live over again the familiar scenes of the life of JESUS of Nazareth, and with a group of children from a Sunday School with their saintly teacher, stand before the figure of Christ preaching in parables, saying, he that

seeketh his life shall lose it, and he that loseth his life shall find life everlasting. These are but prophecies of what is to come.

We live in a young city, we are citizens of a young country. General public education is not a century old. Public Libraries are chiefly a development of the last half century. Public museums for the education of all people are in their infancy. The time will come when they will be a necessary part of the life of every community, and when each large museum in a great city will have its branches close to the schools and the homes of all the people, when museums as governments shall be for all the people, and supported gladly by all.

So by the sacred memories of those who have gone before, by the love we bear to all our fellow-men, and by our sense of duty to all who are to come after us, we would all consecrate ourselves anew to the work of this institution as a servant of all the people.

ADDRESS OF FREDERIC A. LUCAS.

Love of beauty and love of knowledge are the germs from which have grown those stately treasure houses of art and science we term museums, for these had their origin in collections made by nobles and students to gratify their personal desires for beautiful objects and for knowledge.

The "good old days" of which we hear so much, and to which none of us would on any account return, were selfish days, when the good things of this life were possessed by a favored few and there was little disposition on the part of the few to share them with the many. Statues, paintings, masterpieces of the art of the silversmith, were for princes and nobles, not for the people, and knowledge was for the scholar and the man of science.

We may be sure that there was small thought of benefiting the public in the making of these early collections; that the masses should know anything is a belief of comparatively modern times, that they should know aught of art or science is the belief of yesterday.

It required, in fact, nearly two centuries, to transform the cabinet of the individual and the collections of the learned society into public museums, and even then they still ministered to a privileged few, acting as mere store-houses of knowledge, rather than as reservoirs for its reception and distribution. But as the wheels of progress slowly revolved the doors of museums were opened to the public, somewhat narrowly and grudgingly at first, but wider and wider as time went on until now they stand wide open, and the information once reserved for a privileged few is freely proffered to all.

The old museum merely displayed objects, the modern museum aims to be the exponent of ideas; it is an educational institution, one with a definite purpose to instruct, in which the objects shown, the manner in which they are displayed, and their accompanying labels illustrate some fact in nature or in the history of mankind.

To gather the works of nature and of man, to preserve them where they may be seen and studied, and to place the information thus gained within the grasp of everyone, is the mission of the museum and in this mission it is our hope that this institution may play a not unworthy part.

We move so rapidly in this age of electricity that we sometimes forget how fast we are really going. We say somewhat apologetically that this Museum is only ten years old, but forty years ago there was no public museum in New York, no real public museum in the length and breadth of the United States and no museum on modern lines in existence.

If so much has been accomplished in so short a time what may we not hope for in the next twenty-five years! For we move at an ever accelerating pace and the work of the past decade is the direct outcome of the years that have gone before.

The museum of to-day represents the accumulated work and thought of years, the work and thought of such men as FLOWER and GOODE who saw the educational possibilities of museums and bent their best energies towards making those possibilities realities. Few of us may be here twenty-five years hence, but let us hope that our work may be here to speak for us, and to say that we have done something towards the development of the modern museum.

ADDRESS OF HON. BIRD S. COLER

The dedication of this wing of the Museum is fitly a matter for celebration. It is well that we should rejoice in the opening of its life of usefulness, that we should be glad that the Brooklyn Institute of Arts and Sciences—whose history is so much a part of the history of Brooklyn, whose expanding activities have been in so great a degree a centrifugal pressure upon the ever-widening circumference of the circle of human enlightenment—is here so magnificently housed and so splendidly equipped for the splendid work it has to do.

The small trials, the selfish activities, the items of day to day business, engage all of us to a very great degree in this practical and industrial age, and, involved in them all, the mind is apt to lose its faculty for the comprehension of things of power and of majesty.

You do not see much of the soul of the man who is driven to consume his life in dealing with trifles. Once in a rare while the real spirit of him does flash through the earthly tenement, ennobling and glorifying it, and you sud-

denly realize that you have misunderstood the personality with which you have been long in contact, that behind the man you have known is a bigger and a broader and a nobler man whom you have not known. The things that we see in our daily newspapers are the outward life of this community, the little squabbles, the political strifes, the peculations and mean crimes and cruelties; these are but superficial, insignificant and transitory. But in the work of this Institute flashes out the real spirit of our great people, filling the mind with a realization of the power and the purpose and the dignity of the real Brooklyn.

You can search the world over and you can fare back through the misty corridors of far away history for another temple of knowledge such as this, and you will not find it. Not in Athens when she was the center of culture and philosophy, not in Alexandria when epochal thinkers walked between the great pillars of her marvelous museum, not in the treasure houses of learning of the Europe of modern times, not anywhere in any time will you find a school so broad in its sympathy, so up-lifting in its purposes as this Institute that had its birth in the old village of Brooklyn. Its great democracy gives it a distinction and glory that none of the others had or has.

ADDRESS OF HON. MICHAEL J. KENNEDY

It is needless to say that it affords me great pleasure to be present here to-day, and to take part in these most interesting exercises. The opening of this new wing, which marks the completion of the north front or main section of the Museum, is an event of more than ordinary importance to the community. New York City and the Borough of Brooklyn especially, is to be congratulated upon the completion of this magnificent temple of higher education.

The history of the Museum of Arts and Sciences from its inception to the present, is fraught with interest. In June, 1899, the first law was enacted contemplating the erection of Museums of Arts and Sciences and Libraries on this very site, known then as the East Side Lands. Brooklyn was then a municipality. The law authorized the Mayor and Park Commissioners to set apart land for Museum purposes and to lease the same at a nominal rent for a term not to exceed one hundred (100) years to any corporation then existing or thereafter created for educational purposes. It expressly stipulated that such Museums and Libraries should be at all reasonable times free, open and accessible to the public and private schools of said city, and open and accessible to the general public on such terms of admission as the said Mayor and Commission should approve, and should also be subject to the visitation of the Board of Regents of the State of New York. It also provided, that if and when such Museums and Libraries should cease to be maintained according to the true intent and meaning of the law, such leases were to be forfeited, and the sites and buildings thereon erected, revert to the city. The securing of this legislative provision for a proper site completed the first practical step towards the fruition of what is to be a great educational institution.

In 1891 an act was passed authorizing the erection of necessary buildings and providing funds for the same. It also permitted the leasing of the same to the Brooklyn Institute of Arts and Sciences. This measure permitted the Mayor and the Park Commissioners of the City of Brooklyn to construct, erect and maintain on Park lands, a suitable fire-proof building or buildings, for the purpose of establishing and maintaining therein, Museum of Arts and Sciences, at a cost not exceeding the sum of three hundred thousand dollars (\$300,000), which amount was set apart for that purpose. This was the first appropriation.

After consolidation, when control was vested in the Mayor of the Greater City and the Park Commissioner for the Boroughs of Brooklyn and Queens, the authorities of the Greater City continued to promote the great undertaking, and at regular intervals since, have set apart funds to advance the work.

The City of Brooklyn appropriated three hundred and twenty-one thousand eight hundred and seventy-two dollars and seventy-three cents (\$321,872.73) for construction and equipment and the Greater City one million four hundred and seventy-two thousand four hundred and thirty-one dollars and ninety-six cents (\$1,472,431.96), making a total of one million seven hundred ninety-four thousand three hundred and four dollars and sixty-nine cents (\$1,794,304.69). Added to this is five hundred and ninety-eight thousand seven hundred and fifty dollars (\$598,750) allowed for maintenance, which makes a grand total of two million three hundred and ninety-three thousand and fifty-four dollars and sixty-nine cents (\$2,393,054.69).

It will be seen, therefore, that in a few brief years a building, or rather, a series of buildings, have been erected and equipped that will forever stand as a monument to the progress and generosity of this city.

Time will more than justify the projection of such an institution, and under the fostering care of the city it will, I am sure, develop and increase in usefulness. This beneficent work is a source of pride to our citizenship and adds additional honor to a city noted for its devotion to education.

I congratulate the Trustees upon the completion of the new wing and the front section, and I now take much pleasure in formally turning the same over to the care of the Trustees of the Brooklyn Institute of Arts and Sciences.

ADDRESS OF ELIJAH R. KENNEDY

JOHN BLACKBURNE WOODWARD was born in the year 1835 and here he resided until his decease in 1896. During his lifetime he filled several public and private offices of responsibility in the city. He held every rank in the National Guard of the State, from private to major-general commanding the entire force. And when the great Civil War imperilled the Nation he served with distinction in the Union armies. This may be called his career; but it must also be stated that the years of his life were filled with unrecorded deeds of industry, of business, of philanthropy, of kindness, of benevolence. A board of public commissioners who knew him well, and knew the city well, at the time of his death, pronounced him "in recent years the most useful citizen of Brooklyn." And one of our local newspapers said, "He was one of the best representatives of an intelligent public-spirited citizen who ever lived in this city."

General Woodward was one of those exceptional men who can earn such encomiums and at the same time win and develop and hold the love of those who know them well. It was thus natural, directly after his death, that his friends should originate a plan for a lasting memorial and that the community should heartily unite to carry out the purpose. No large sum for such a project was ever more cheerfully given.

The result stands before you. It is the work of a sculptor, also born in Brooklyn, whose greatness has won recognition all over the world.

It is the statue of one, like Hamlet's father:

"A combination and a form indeed,
Where every god did seem to set his seal
To give the world assurance of a man."

Up to the present time the statue has belonged to the subscribers to the memorial fund. I hand you the book containing the record of the proceedings of the subscribers and their committees. Herein you will see that I have been designated and authorized to transfer to the suitable and continuous and lasting ownership of this Institute these records and all to which they refer.

The work is not completed. When mature judgment shall finally approve of a spot for the statue there must be a suitable pedestal. The money to pay for that is in bank and will become your's as soon as requisite formalities can be arranged.

Speaking for those who contributed to the Memorial Fund, and by their authority, I present this statue to the Brooklyn Institute of Arts and Sciences to hold in trust forever.

That is a long time. Let us hope that in its limitless extent no Goth or Vandal will arise to injure this work; but that when, in future ages, throngs from near and far shall wend their way to this stately Museum, they may see still in its place this statue of a man of antiquity whom his contemporaries were glad to honor.

VIII. THE GRAHAM FOUNDATION LECTURES

The GRAHAM FOUNDATION LECTURES assigned for January and February were omitted on account of the sudden illness and the decease of the Reverend CHARLES CUTHBERT HALL, D.D., LL.D., who had accepted the invitation to give the lectures.

IX. GENERAL EXHIBITIONS

I. The LOAN EXHIBITIONS OF PAINTINGS AND OTHER WORKS OF ART were continued throughout the year in the galleries on the third floor of the Museum Building in con-

junction with the permanent exhibition of the Institute Collections of Paintings and other works of Art.

2. The **TISSOT COLLECTION OF PAINTINGS**, illustrating the Life of Christ, has been on permanent exhibition in one of the galleries on the third floor of the Museum Building, and has been open to the public at the same hours as the Museum.

3. The **DEPARTMENT OF MICROSCOPY** gave its **TWENTY-FIRST ANNUAL EXHIBITION** at the Art Galleries in Montague Street on Saturday evening, March 14, from 7.45 until 11 o'clock. An account of the exhibition may be found under the Department of Microscopy.

4. The **DEPARTMENT OF PHOTOGRAPHY** gave its **EIGHTEENTH ANNUAL EXHIBITION OF PHOTOGRAPHIC PRINTS** in the Art Galleries in Montague Street, from Saturday, April 25, to Saturday, May 2, inclusive. A catalogue of the exhibition was printed containing one hundred sixty-three titles of exhibits. A full account of the exhibition will be found under the Department of Photography, XV.

5. The **EXHIBITION OF CONGESTION OF POPULATION IN GREATER NEW YORK** was held in the Art Galleries in Montague Street from Monday, April 6, to Sunday, April 18, inclusive. An account of the exhibition together with a full notice of the meetings in connection therewith will be found under the Department of Political Science.

The main collections in **ARCHITECTURE, BOTANY, ENTOMOLOGY, ETHNOLOGY, GEOGRAPHY, GEOLOGY, MINERALOGY, SCULPTURE** and **ZOÖLOGY** have been on permanent exhibition at the Central Museum Building on Prospect Hill, and have been open and free to the public from 9 A. M. to 6 P. M. on Wednesday, Thursday, Friday and Saturday of each week, and on all legal holidays except Sunday; also on Thursdays

of each week from 7.30 to 9.45 P. M., and on Sundays from 2.00 to 6.00 P. M. The collections have been open to the public on Mondays and Tuesdays of each week, from 9 A. M. until 6 P. M., by the payment of twenty-five cents for adults and ten cents for children under sixteen years.

Classes of students (from the public and private schools of the city) accompanied by their teachers have been admitted to the Museum on Mondays and Tuesdays without admission fee.

WORK OF THE DEPARTMENTS

DEPARTMENT OF ARCHITECTURE

Officers for 1908-1909.

J. MONROE HEWLETT, Ph.B.	<i>President</i>
HENRY M. CONGDON, M.A.	<i>Vice-President</i>
WOODRUFF LEEMING	<i>Secretary</i>

Executive Committee

J. MONROE HEWLETT	Rev. WILLIAM H. INGERSOLL
RAYMOND F. ALMIRALL	GEORGE M. LAWTON
JOHN M. CARRÈRE	WOODRUFF LEEMING, B.Sc.
PETER I. COLLINS	AUSTIN W. LORD
HENRY M. CONGDON, M.A.	DANIEL G. MALCOLM, Jr.
HERBERT W. CONGDON, M.A.	CHARLES F. MCKIM
RUDOLPHE L. DAUS	WILLIAM R. MEAD
ARNE DEHLI	GEORGE L. MORSE
Prof. WILLIAM H. GOODYEAR, M.A.	GEORGE T. MORSE
Prof. A. D. F. HAMLIN	A. MILTON NAPIER
ALBERT A. HOPKINS, B.A.	JOHN J. PETTIT

FRANK H. QUIMBY

The Department of Architecture was organized on December 13, 1889, with a membership of one hundred and eight. The present membership is two hundred and nine.

The work of the Department has been as follows:

I. Four lectures, illustrated by lantern photographs, on Thursday evenings, except the lecture by Mr. TUTHILL, which was given on a Tuesday evening.

Oct. 24—HENRY F. HORNBOSTEL, Architect, of New York, Professor of Architecture at Carnegie Institute, Pittsburgh. Subject: "The Architecture of the Buildings of the Carnegie Industrial Schools."

Jan. 23—Reverend EDWIN N. HARDY, M.A., Ph.D., of Quincy, Massachusetts. Subject: "The Old Time New England Meeting House."

Mar. 26—Professor A. D. F. HAMLIN, M.A., Dean of the School of Architecture, Columbia University. Subject: "The Problem of Style in Architecture in Greater New York."

Apr. 7—WILLIAM BURNET TUTHILL, M.A., Architect, of New York. Subject: "The Palaces of the Renaissance."

II. Lecture under the joint auspices of the Departments of Architecture and Domestic Science.

Jan. 9—CHARLES R. LAMB, Architect, of New York. Subject: "City Improvements with Special Reference to the Coöperative Block."

III—EXHIBITIONS

The EXHIBITION OF THE COLLECTION OF ENLARGED PHOTOGRAPHS OF ANCIENT AND MEDIÆVAL ITALIAN ARCHITECTURE AND SCULPTURE, made by Prof. WILLIAM H. GOOD-YEAR, M.A., with the assistance of Mr. JOHN W. McKECKNIE, of New York, in 1895, was continued on the walls of the hallways in the new Museum Building. This collection comprises some two hundred twenty photographs, many of which illustrate asymmetry in architecture. Enlarged photographs from the Italian Survey of 1901 and from the French Survey of 1903 were added to this collection during 1903-1904; and from the French Survey of 1905, during the year 1907-1908.

The COLLECTION OF PHOTOGRAPHS OF ARCHITECTURAL SUBJECTS, comprising upwards of four thousand pictures, has been mounted on cardboards, labeled and arranged in portfolio cabinets for use by students in Architecture.

The ART GALLERIES on the first or main floor of the Museum Building are designed to contain collections illustrating the history of Greek and Roman Architecture and Sculpture. The largest of these galleries is 110 by 38 feet;

the second is 42 by 42 feet; the remaining two are 14 by 40 feet. The work of making these collections is a most important one, and commands the interest and co-operation of every friend of Art Education and of every Member of the Institute who is a lover of Classic Art.

An excellent beginning was made during the season of 1897-1898 in the Collections of Casts in Sculpture and Architecture, under the supervision of Mr. GEORGE C. BRACKETT, Secretary of the Board of Trustees. The completion of the second section of the Museum Building has made room for additions to these collections.

DEPARTMENT OF ASTRONOMY

Officers for 1908-1909.

Rev. FREDERIC CAMPBELL, B.A., M.A.	<i>President</i>
GARRETT P. SERVISS, B.Sc.	<i>Vice-President</i>
ALBERT J. BROOKS	<i>Secretary</i>
B. G. WAY	<i>Librarian</i>

Executive Committee

Rev. FREDERIC CAMPBELL, M.A.	B. G. WAY
GARRETT P. SERVISS, B.Sc.	Miss SADIE F. MOTTS
STANSBURY HAGAR, B.A.	ALBERT J. BROOKS
Miss MARY M. HOPKINS, B.A.	Prof. WILLIAM C. PECKHAM, M.A.
STEPHEN LOINES	WALLACE GOULD LEVISON, B.Sc.
Miss EDITH B. BRAINERD	C. F. HARMS

The Department was organized on May 10, 1888, by the Members of the American Astronomical Society residing in New York, Brooklyn and the neighboring towns, and began its work as a Department with thirty-two members. The present membership is two hundred and fifty-eight.

The work of the Department has been as follows:

I. Three lectures, illustrated by lantern photographs.

Jan. 21—GARRETT P. SERVISS, B.Sc. See Jamaica Branch, page 241.

Mar. 5—GARRETT P. SERVISS, B.Sc. Subject: "The Origin of Worlds, studied in New Light."

May 7—Miss ANTONIA C. MAURY, B.A., of Hastings-on-the-Hudson. Subject: "Some Recent Discoveries in Variable Stars."

II. Three conferences.

Jan. 16—WALLACE GOULD LEVISON, B.Sc., Member of the Executive Committee of the Department. Subject: "The Heat of the Sun," illustrated by lantern photographs.

Feb. 20—Miss MARY M. HOPKINS, B.A., of Smith College Observatory. Subject: "Laboratory Methods in Astronomy."

Apr. 16—B. G. WAY, Member of the Executive Committee of the Department. Subject: "The Origin of the Moon."

III. Two demonstrations.

Feb. 7—A demonstration of the FOUCAULT Experiment, by S. A. MITCHELL, Ph.D., of Columbia University, illustrated by a pendulum swinging in St. Paul's Chapel.

Feb. 12—A demonstration of the FOUCAULT Experiment by Dr. HAROLD JACOBY, of Columbia University, illustrated by a pendulum swinging in St. Paul's Chapel.

IV. A lecture under the joint auspices of the Departments of Astronomy and Photography.

Apr. 2—Reverend FREDERIC CAMPBELL, M.A., President of the Department of Astronomy. Subject: "The Origin of Worlds studied in a New Light," illustrated by plain and colored lantern photographs.

V. The TEMPORARY OBSERVATORY of the Department now located at Adelphi College was advertised to be open on eighteen Tuesday evenings during the months

from October until May, inclusive, for the observation of the moon, planets, double stars, the quadruple star in Lyra, the nebula in Andromeda and star clusters. One of the telescopes bequeathed to the Institute by the late WILLIAM F. SEBERT was placed in the college observatory in January, 1905. The meetings have been conducted by Mr. ALBERT J. BROOKS, Chairman of the Observatory Section of the Department. Eight of the designated evenings were pleasant and the total attendance was two hundred seventy-three.

VI. The MAGAZINE CLUB, Miss SADIE F. MOTTS, Chairman, during the past year has circulated among the Members of the Department the following magazines: "Popular Astronomy," "Knowledge" and the "Journal of the British Astronomical Association." The subscriptions have been covered by the fee of \$1.00 per year from each Member. This Club is open to all Members of the Department.

VII. A PERMANENT OBSERVATORY. At the June meeting of the Trustees in 1905, a communication was received from the Hon. ALFRED T. WHITE a Member of the Board, who was unable to be present at the meeting, in which he offered to present to the Institute \$25,000 to be used in the equipment of an Astronomical Observatory, to be erected on lands adjacent to the Museum Building and to be used primarily in giving instruction in Astronomy to students in the public and private schools of the city and to the general public. The sum of \$1,000 was paid by Mr. WHITE on account of this proposed gift, to be used, so far as necessary, in obtaining preliminary plans for the Observatory.

A Special Committee on The Plan and Scope of the Astronomical Observatory was appointed by the authority

of the Trustees, consisting of GEORGE C. BRACKETT, GARRETT P. SERVISS, FRANKLIN W. HOOPER, FRANK SHERMAN BENSON, FREDERIC A. LUCAS, WILLIAM H. MAXWELL and B. G. WAY. This Committee has received recommendations as to the nature of the observatory required for teaching purposes from the Executive Committee of the Department of Astronomy, and has consulted with Professor WILLIAM H. PICKERING, of the Harvard University Observatory, with regard to a site for the Observatory and its equipment. Professor PICKERING has recommended that the Observatory be located in Institute Park, southwesterly of the Museum Building.

During the educational year of 1905-1906, the Committee prepared a bill to be introduced in the State Legislature, the purpose of which was to authorize a change in the site of the Astronomical Observatory from a point southeast of the Museum Building near Washington Avenue, as originally planned in 1893-1894, to a site southwesterly from the Museum Building. The bill also authorized the city to establish on this new site an Astronomical Observatory; to appropriate the sum of \$150,000 to cover the cost of the Observatory Building; to enter into an agreement with the Institute for the administration of the Observatory, and to make annual appropriations for the maintenance of the Observatory. This measure was approved by the Department of Parks of the City, passed by the Legislature, approved by Mayor McClellan, and signed by Governor Higgins on May 25. A form of agreement between the city and the Institute for the establishing and maintaining of an Astronomical Observatory, in pursuance of the new law, has been approved by the Department of Parks and is now awaiting action by the Board of Estimate and Apportionment of the city. A copy of the new law is printed on pages 281-283.

DEPARTMENT OF BOTANY

Officers for 1908-1909.

Prof. HENRY E. CHAPIN, B.Sc., M.Sc.	<i>President</i>
ABEL J. GROUT, Ph.D.	<i>Vice-President</i>
Miss EDITH B. BRAINERD	<i>Secretary</i>

Executive Committee

Prof. HENRY E. CHAPIN, M.Sc.	Mrs. LOWELL M. PALMER
ABEL J. GROUT, Ph.D.	Miss ANNA B. GALLUP, B.Sc.
JOHN MCCALLUM	Mrs. GEORGE W. CONKLIN
Miss GRACE E. BEARD	Miss E. A. AUSTIN
Miss EDITH B. BRAINERD	CHARLES WILLIS WARD
JOHN J. SCHOONHOVEN, M.A.	Rev. J. L. ZABRISKIE, D.D.
JAMES DEAN	LOUIS W. FETZER, Ph.D.
WILLIAM L. SHERWOOD	GEORGE C. WOOD, B.A.
CYRUS W. KING, Ph.D.	Mrs. CLAYTON A. PETERS
Miss CHARLOTTE GOODRICH	

This Department was organized December 13, 1888, with twenty-one members. The present membership is two hundred and seventy-nine.

The work of the Department has been as follows:

I. Three single lectures.

Oct. 17—ABEL J. GROUT, Ph.D., Vice-President of the Department. Subject: "A Botanist's Vacation in the Mountains of North Carolina," illustrated by lantern photographs.

Jan. 29—Prof. L. H. BAILEY, Ph.D., LL.D., of Cornell University. Subject: "The New State Agricultural College," illustrated by lantern photographs.

Apr. 9—JOHN MICKLEBOROUGH, Ph.D., President of the Department of Geology. Subject: "Fungi: Edible and Poisonous. The Fungous Parasite Threatening Destruction to all Chestnut Trees," illustrated by specimens and by lantern photographs.

II. Lecture under the joint auspices of the Departments of Botany and Geography, by DANIEL T. MACDOUGAL, Ph.D. See Department of Geography, III.

III. Lecture under the joint auspices of the Departments of Botany and Microscopy, by Professor GEORGE P. CLINTON, D.Sc. See Department of Microscopy, II.

IV. A course of three lectures on "Mendel's Principles of Heredity," by Professor WILLIAM BATESON, M.A., of Cambridge, England. See Department of Zoölogy, II.

V. Botanical Excursions. Saturdays.

Sept. 28—Field meeting at Egbertsville, Staten Island, conducted by GEORGE C. WOOD, B.A.

Oct. 5—Field meeting at Jamaica Bay, conducted by ABEL J. GROUT, Ph.D.

Oct. 12—Excursion to Coytesville, New Jersey, conducted by WILLIAM L. SHERWOOD.

Oct. 19—Excursion to East New York Pumping Station, conducted by Mrs. GEORGE W. CONKLIN.

Oct. 26—Field meeting at Engelwood, New Jersey, conducted by Miss EDITH B. BRAINERD.

Nov. 2—Field meeting at Richmond, Staten Island, conducted by Miss E. ADDIE AUSTIN.

Nov. 9—Excursion to Franklin Square, Borough of Queens, conducted by HENRY E. CHAPIN, M.Sc.

May 9—Excursion to Jamaica, conducted by HENRY E. CHAPIN, M.Sc.

May 16—Excursion to New Dorp, Staten Island, conducted by ABEL J. GROUT, Ph.D.

May 23—Excursion to Coytesville, New Jersey, conducted by Mrs. CLAYTON A. PETERS.

June 6—Field meeting at Valley Stream, Long Island, conducted by Miss EDITH B. BRAINERD.

June 13—Excursion to Jamaica South, conducted by Mrs. GEORGE W. CONKLIN.

June 20—Field meeting at Monachie, New Jersey, conducted by Miss E. ADDIE AUSTIN.

June 27—Excursion to Taylorville, New Jersey, conducted by WILLIAM L. SHERWOOD.

The total attendance on these excursions was 227.

VI. BOTANIC GARDEN AND ARBORETUM

At the June meeting of the Trustees in 1905, a communication was received from the Hon. ALFRED T. WHITE, stating that several friends of the Institute had authorized him to offer to the Institute the sum of \$25,000, to be used in equipping a scientific Botanic Garden, whose primary purpose should be the teaching of Botany to students in the public and private schools of the city, and to the general public, provided such a garden be established on the grounds adjacent to the Museum. The communication was accompanied by a check for \$1,000, that may be used as far as necessary in obtaining information and preliminary plans for the establishment of the proposed garden. The original offer of \$25,000 for the equipment of the Botanic Garden was in the year 1906 increased to \$50,000.

By the authority of the Board of Trustees a special Committee on Plan and Scope of a Botanic Garden was appointed, as follows: CHARLES A. SCHIEREN, LOWELL M. PALMER, ALFRED T. WHITE, FRANKLIN W. HOOPER, HENRY E. CHAPIN, FREDERIC A. LUCAS, GEORGE C. BRACKETT, WILLIAM H. MAXWELL, NATHANIEL L. BRITTON, JAMES DEAN and ABEL J. GROUT.

During the educational year, 1905-1906, this Committee gathered information with regard to Botanic Gardens in this country and abroad and prepared a bill to be introduced

in the State Legislature, the purpose of which was to authorize the City of New York to establish a Botanic Garden and Arboretum on Park Lands between Flatbush and Washington Avenues, adjacent to the Museum site; authorizing the city to enter into an agreement with the Institute to administer the affairs of the Botanic Garden and Arboretum on such lands, and also authorizing the city to erect plant houses and rooms for instruction at a cost of \$100,000 altogether, and to provide for the annual maintenance of the Botanic Garden and Arboretum. This bill was approved by the Park Department of the City, passed by the Legislature, approved by Mayor McClellan, and was signed by Governor Higgins on May 24, 1906. A copy of the law is given on pages 278-281. A form of agreement between the City and the Institute has been prepared in pursuance of the law, has been approved by the Department of Parks, and is now awaiting action by the Board of Estimate and Apportionment.

DEPARTMENT OF CHEMISTRY

Officers for 1908-1909.

Prof. IRVING W. FAY, Ph.D.	<i>President</i>
Prof. WILLIAM J. HANCOCK, B.Sc.	<i>Vice-President</i>
JAMES H. PARK	<i>Secretary</i>

Executive Committee

Prof. IRVING W. FAY, Ph.D.	HERBERT B. BALDWIN
E. H. BARTLEY, M.D.	JAMES H. PARK
Prof. ALBERT C. HALE, Ph.D.	HARRY T. WEED, B.Sc.
JOHN C. OLSEN, Ph.D.	Prof. WILLIAM J. HANCOCK, B.Sc.
ALBERT H. STOCKER	Prof. CHARLES M. ALLEN
ARTHUR C. LANGMUIR, Ph.D.	Prof. B. M. JAQUISH
Prof. WILLIAM W. SHARE, Ph.D.	GUSTAVE W. THOMPSON

The Department of Chemistry was organized in November, 1888, with twenty-seven members. The present membership is one hundred ninety-one.

The work of the Department has been as follows:

I. A course of six lectures, under the joint auspices of the Departments of Chemistry and Domestic Science, by Professor JOHN C. OLSEN, M.A., Ph.D., Food and Drug Inspection Chemist, United States Department of Agriculture. General subject: "The Preparation and Purity of Foods," illustrated by experimental demonstrations. Tuesday evenings.

Jan. 7—Introductory Lecture. "Food Values, Economy of Pure Foods. Cereals and their Products: Bread, Cake, Breakfast Foods, etc."

Jan. 14—"Sweetening Agents. Cane Sugar, Glucose, Syrups and Saccharine."

Jan. 21—"Candies, Cocoa, Chocolate and Flavoring Extracts."

Jan. 28—"Jams, Jellies, and Canned Vegetables and Fruits."

Feb. 4—"Milk and Milk Products. Model Dairies, Certified and Pasteurized Milk."

Feb. 11—"Fats and Oils, Butter and its Substitutes. Olive and other Salad Oils."

II. Lecture under the joint auspices of the Departments of Chemistry and Electricity, by Professor WILLIAM C. PECKHAM, M.A., of Adelphi College.

May 11—"The Utilization of the Nitrogen of the Atmosphere in Norway," illustrated by experimental demonstrations and lantern photographs. *

III. A course of six lectures under the joint auspices of the Departments of Chemistry, Electricity and Physics, by Professor HENRY P. TALBOT, Ph.D., of the Massachu-

setts Institute of Technology. General subject: "The Electrolytic Dissociation Theory, and some of its applications in Analytical Chemistry," illustrated by experimental demonstrations and by lantern photographs.

Feb. 18—"The Nature of the Experimental Data upon which the Electrolytic Dissociation Theory rests."

Feb. 25—"The Mass Law as applied to Ionic Reactions. The Solubility Product Principle. Hydrolysis."

Mar. 3—"Electrolytic Solution Pressure. Oxidation and Reduction Reactions. Theory of Indicators."

Mar. 10—"Discussion of the Application of the Dissociation Theory to Specific Chemical Changes in Qualitative and Quantitative Analysis."

Mar. 17—Continuation of the foregoing discussion.

Mar. 24—"A review of some of the Objections urged against the Validity of the Dissociation Theory."

IV. Lecture under the joint auspices of the Departments of Chemistry, Microscopy, Mineralogy and Physics, by GEORGE E. ASHBY. See Department of Mineralogy, V.

V. The Collection of Chemicals and Chemical Apparatus belonging to the Department is in part in the Central Museum building and in part in the Children's Museum Building.

VI. The Library of the Department contains upwards of five hundred volumes mostly of standard works of reference.

DEPARTMENT OF DOMESTIC SCIENCE

Officers for 1908-1909.

Mrs. JOHN J. SCHOONHOVEN, M.L.	<i>President</i>
Mrs. FRANKLIN W. HOOPER	<i>Vice-Presidents</i>
Mrs. ALFRED J. BOULTON	
Miss FANNY PERKINS	<i>Secretary</i>

Executive Committee

Mrs. JOHN J. SCHOONHOVEN, M.L.	Miss MARY SNOW
Mrs. FRANKLIN W. HOOPER	Miss M. LOUISE HUTCHINSON
Miss ELIZABETH REEVE	Miss ELIZABETH DUTCHER
Miss FANNY PERKINS	Miss EMMA O. CONRO
Mrs. ALFRED J. BOULTON	Miss MABEL CAMPBELL

This Department was organized on November 13, 1893, with a membership of forty-two. The present membership is two hundred fifty-nine. The purpose of the Department is the study of practical problems in Domestic Science. Standing Committees have been appointed on the following subjects:

- 1 The Sanitary and Economic Construction of Dwellings
- 2 The General Principles of House Furnishing
- 3 The Composition and Value of Foods
- 4 Cooking and Transformation of Foods
- 5 Labor Saving Methods and Utensils
- 6 Sanitation and Economy in Clothing
- 7 Domestic Service

The work of the Department has been as follows:

I. A single lecture. Thursday afternoon.

Mar. 5—Professor HELEN KINNE, of Teachers College, Columbia University. Subject: "Recent Progress in Household Economics."

II. A course of six lectures on "Cooking," by Miss ANNA BARROWS, of Columbia University, illustrated by practical demonstrations.

Nov. 15—"The Cooking and Uses of Eggs."

Nov. 22—"The Cooking of Fish and Shell Fish."

Nov. 29—"The Cooking of Vegetables."

Dec. 6—"Soups and Salads."

Dec. 13—"The Cooking of Meats."

Dec. 20—"Breads and Cakes."

III. A series of three lectures by Miss HELEN LOUISE JOHNSON, of the Rhode Island College of Agriculture.

Apr. 10—"How to Use Shell Fish," illustrated by practical demonstrations.

Apr. 17—"The House Beautiful," illustrated by rugs, some of which were loaned by B. Altman & Co., of New York.

Apr. 24—"The Relation of Home Economics to Present Day Homes," illustrated by lantern photographs.

IV. A single conference, Thursday afternoon.

Oct. 24—Mrs. ALFRED J. BOULTON. Subject: "Child Labor." The opening address was given by the Hon. MORNAY WILLIAMS, of New York.

V. Lecture under the joint auspices of the Departments of Domestic Science and Architecture, by CHARLES R. LAMB. See Department of Architecture, II.

VI. A course of six lectures under the joint auspices of the Departments of Domestic Science and Chemistry, by Professor JOHN C. OLSEN, M.A., Ph.D. See Department of Chemistry, I.

VII. Lecture under the joint auspices of the Departments of Domestic Science and Electricity.

Oct. 10—MAX LOEWENTHAL, Consulting Electrical Engineer, of New York. Subject: "The Uses of Electricity in the Home," illustrated by lantern photographs, and by electrical apparatus and appliances used for cooking and other domestic purposes.

VIII. Lecture under the joint auspices of the Departments of Domestic Science and Fine Arts.

Dec. 5—H. K. SAMUELIAN, of New York. Subject: "Rugs," illustrated by colored lantern photographs and by a collection of rugs.

IX. A course of two lectures under the joint auspices of the Departments of Domestic Science and Political Science by Miss GRACE W. PITMAN, of Orange, New Jersey.

Oct. 10—"How to Live within One's Income."

Nov. 7—"Illustrations of how to Live within One's Income."

X. ANNUAL CONVENTION OF MOTHERS' CLUBS under the joint auspices of the Department of Domestic Science and the Kindergarten Section of the Department of Pedagogy. See Department of Pedagogy, IV.

XI. MUSEUM OF DOMESTIC SCIENCE AND ART.

A beginning has been made of collections illustrating the Art and Science of the Household. Contributions to the collections will be accepted for the Museum on the recommendation of this Department.

XII. Courses of Instruction in Domestic Art.

Two courses were given during the year, one in Basketry and one in Weaving, conducted by Miss EVALYN M. GRISWOLD. These courses are fully described under the Department of Fine Arts in the Prospectus of 1907-1908. See also page 154.

DEPARTMENT OF ELECTRICITY

Officers for 1908-1909.

Prof. SAMUEL SHELDON, M.A., Ph.D.	<i>President</i>
Prof. WM. B. KOUWENHOVEN, Ph.D.	<i>Vice-President</i>
HUBERT S. WYNKOOP, M.E.	<i>Secretary</i>

Executive Committee

Prof. SAMUEL SHELDON, Ph.D.	Prof. WM. C. PECKHAM, M.A.
J. P. WINTRINGHAM	HUBERT S. WYNKOOP, M.E.
E. H. BARTLEY, M.D.	WALTER F. WELLS, M.E.
FREDERICK V. HENSHAW	WILLIAM D. SARGENT
WILLIAM C. BURLING	J. C. REILLY
FRANK W. CONN	HENRY T. WEED, B.Sc.
Prof. JOHN S. MCKAY, Ph.D.	CHARLES E. F. LEWIS
Prof. WILLIAM B. KOUWENHOVEN, Ph.D.	

This Department was organized on March 21, 1890, with one hundred and thirty members. The present membership is two hundred and twenty-eight.

The work of the Department has been as follows:

I. Two single lectures.

Jan. 22—Professor SAMUEL SHELDON, Ph.D., President of the Department. Subject: "The Functions of the Electron in Electric Light Sources," illustrated by experimental demonstrations.

Mar. 12—WILLIAM McCLELLAN, Ph.D., of New York. Subject: "The Electric Propulsion of Trains on Trunk Lines having Terminal Stations in New York," illustrated by lantern photographs.

II. Lecture under the joint auspices of the Departments of Electricity and Chemistry, by Professor WILLIAM C. PECKHAM, M.A. See Department of Chemistry, II.

III. Lecture under the joint auspices of the Departments of Electricity and Domestic Science, by MAX LOEWENTHAL. See Domestic Science, VII.

IV. A course of six lectures under the joint auspices of the Departments of Electricity and Physics, on "Electricity," by Professor CHARLES L. HARRINGTON, M.A., illustrated by experimental demonstrations and lantern photographs. Tuesday evenings.

Apr. 7—"Theories of Magnetism; Lines of Magnetic Force; Discoveries of Sir John Franklin and Roald Amundsen."

Apr. 14—"The Electron Theory of Electricity."

Apr. 21—"Current Electricity; its Uses as a Heating and Lighting Agent."

Apr. 28—"Electricity as an Agent in Chemical Changes."

May 5—"Wireless Telegraphy—a Demonstration of the Origin, Transmission and Reception of Electro-magnetic Waves."

May 12—"X-rays, the Fluoroscope and Becquerel Rays."

This course of six lectures was repeated on Saturday afternoons, April 25, May 29, 16, 23 and June 6, respectively, at the Central Museum, Eastern Parkway.

V. A course of six lectures under the joint auspices of the Departments of Electricity, Chemistry and Physics, by Professor HENRY P. TALBOT, Ph.D. See Department of Chemistry, III.

VI. The COLLECTION OF ELECTRICAL APPARATUS belonging to the Department has been transferred to the Central Museum Building. The Library of the Department has been placed with the collection for reference.

DEPARTMENT OF ENGINEERING

Officers for 1908-1909.

NELSON P. LEWIS, B.A., C.E.

President

WILLIAM J. BALDWIN, C.E.

Vice-President

ARTHUR S. TUTTLE, C.E.

Secretary

Executive Committee

NELSON P. LEWIS, C.E.

ARTHUR S. TUTTLE, C.E.

Prof. ISAAC E. HASEROUCK, C.E.

WILLIAM J. BALDWIN, C.E.

ELECTUS D. LITCHFIELD, M.E.

LOUIS DUVINAGE, C.E.

Prof. RALPH C. TAGGART

G. W. TILLSON, C.E.

FRANK W. CONN

Committee on Lectures

NELSON P. LEWIS, C.E.	BERNT BERGER
HOMER L. BARTLETT, C.E.	HERMAN STUTZER, JR., C.E.

Committee on Practical Work

NELSON P. LEWIS, C.E.	G. W. TILLSON
FRANK W. CONN	ELECTUS D. LITCHFIELD, C.E.
WILLIAM J. BALDWIN, C.E.	

The organization of the Department of Engineering was effected on March 12, 1889, with thirty-six members. The present membership is one hundred and forty-seven.

The work of the Department has been as follows:

I. Four single lectures, illustrated by lantern photographs.

Dec. 19—Professor FREDERICK R. HUTTON, M.A., M.E., President of the American Society of Mechanical Engineers. Subject: "Gas Engines," including the function of each organ, the small gas engine and the large gas engine.

Feb. 20—GEORGE S. RICE, C.E., Consulting Engineer of the Public Utilities Commission of New York City. Subject: "The Subways of Greater New York."

Mar. 19—W. J. BAXTER, U.S.N., Naval Constructor at the Brooklyn Navy Yard. Subject: "The Building of a Battleship."

Apr. 22—Professor WILLIAM H. BURR, C.E., of Columbia University. Subject: "The Panama Canal."

II. The Library of the Department. Mrs. CHARLES E. EMERY has presented to the Department the entire library of her husband, the late CHARLES E. EMERY, Ph.D., for seven years President of the Department. The library consists of five hundred and five bound volumes, about two thousand pamphlets, and many numbers of unbound periodicals.

The Library of the Department is permanently installed in the Central Museum Building.

DEPARTMENT OF ENTOMOLOGY

Officers for 1908-1909.

Prin. LYMAN A. BEST, B.Sc.	<i>President</i>
EDWARD L. GRAEF	<i>Honorary Curator</i>
RICHARD F. PEARSALL	<i>Vice-President</i>
ARCHIBALD C. WEEKS	<i>Secretary</i>
JACOB DOLL	<i>First Assistant Curator</i>
CARL SCHAEFFER	<i>Second Assistant Curator</i>
Prin. FRANK A. WILLARD	<i>Librarian</i>

Executive Committee

EDWARD L. GRAEF	RICHARD F. PEARSALL
Prin. LYMAN A. BEST, B.A.	GEORGE FRANCK
ARCHIBALD C. WEEKS	Prin. FRANK A. WILLARD
GEORGE LAGAI, Ph.D.	I. N. HOAGLAND
JACOB DOLL	CARL SCHAEFFER

GEORGE P. ENGELHARDT

Committee on Lectures, Study, and Field Days

Prof. FRANKLIN W. HOOPER, M.A.	Dr. J. L. ZABRISKIE
Prin. LYMAN A. BEST, B.A.	Prof. JOHN B. SMITH
Miss LUCILLA E. SMITH	

Committee on Collections

EDWARD L. GRAEF	JACOB DOLL
ARCHIBALD C. WEEKS	RICHARD F. PEARSALL
CARL SCHAEFFER	

This Department was organized by the Brooklyn Entomological Society in September, 1888, with thirty-five members, and was reorganized April 29, 1895, with a membership of fifty-two. The present membership is fifty-one.

The work of the Department has been as follows:

I. Five single lectures.

Nov. 14—D. EVERETT LYON, Ph.D., of Rye, New York.
Subject: "The Birth, Life and Works of the Honey Bee,"
illustrated by lantern photographs and new moving pictures.

Jan. 15—LELAND O. HOWARD, Ph.D., Chief of the Division of Entomology, United States Department of Agriculture. Subject: "Some Recent Practical Work with Beneficial Insects," illustrated by lantern photographs.

Feb. 13—Professor JOHN B. SMITH, D.Sc., of Rutgers College, State Entomologist of New Jersey. Subject: "The Struggle for Existence in the Insect World," illustrated by lantern photographs. Thursday evening.

Mar. 7—Professor JOHN B. SMITH, D.Sc. Subject: "The Campaign against Mosquitoes," illustrated by lantern photographs. Central Museum, at 3 P. M.

Mar. 12—J. H. M. COOK, of New York. Subject: "Methods of Caring for Bees," illustrated by lantern photographs and hives of bees.

II. Five conferences.

Oct. 31—JACOB DOLL, Curator of Entomology, Central Museum. Subject: "The Latest Acquisitions at the Museum of Rare Exotic Lepidoptera."

Jan. 30—CARL SCHAEFFER, Associate Curator of Entomology, Central Museum. Subject: "Insects as Carriers of Disease," illustrated by specimens in the Museum collections.

Feb. 27—GEORGE FRANCK, Member of the Executive Committee of the Department. Subject: "Insects Characteristic of the Mountain Regions of New York, with Relation to some Lowland Species."

Mar. 26—KENNETH M. JUNOR, M.D., of Brooklyn. Subject: "Mosquitoes and their Extermination," illustrated by pictures.

May 14—JOHN J. SCHOONHOVEN, M.A., President of the Department of Microscopy. Subject: "The Part played by Insects in the Transmission of Certain Diseases," illustrated by lantern photographs.

III. The Entomological Collections.

These collections have received very large additions during the past few years. In 1890 the late WILLIAM CALVERLEY presented to the Institute the entire collection of Lepidoptera made by his father, STEPHEN CALVERLEY, during the years 1832-1872. The collection contains the type *Papilio calverly*, is in a good state of preservation and is carefully labeled. Catalogues accompanying the collection give the location, time of collection and the habitat of most of the insects. In the collection a few species also of Coleoptera are found.

In the Autumn of 1898 FRANK S. JONES, a Member of the Board of Trustees, and a Member of the Committee on Museum of Science, of the Institute, presented ten thousand dollars (\$10,000) to the Corporation to be used in the purchase of the BERTHOLD NEUMOEGEN COLLECTION OF LEPIDOPTERA. The purchase of the Neumoegen Collection was effected in December, and thus the Institute became the possessor of one of the largest and most valuable collections of Lepidoptera in the world—a collection which contains more type specimens of Lepidoptera than any other in the United States. The collection is beautifully mounted, labeled, classified and arranged in cabinet drawers, and contains, approximately, forty-five thousand specimens, eleven thousand species and eleven hundred type specimens.

The NEUMOEGEN COLLECTION was made by BERTHOLD NEUMOEGEN during a period of twenty years, with the assistance of JACOB DOLL, who acted as Curator of the collection during the period of its formation, 1875 to 1895.

EDWARD L. GRAEF, a Life Member of the Institute, President of the Department of Entomology, and now Honorary Curator of the Entomological Collections of the Institute, offered ten years ago to present his entire collection of Lepidoptera to the Institute on condition that the BERTHOLD NEUMOEGEN COLLECTION should be purchased by the Insti-

tute for its Museum. As soon as the Trustees had acquired the title to the NEUMOEGEN COLLECTION, Mr. GRAEF presented his collection, comprising North American and European Noctuidae, Bombycidae and Sphingidae, and including some type forms.

The late Reverend GEORGE D. HULST, Ph.D., presented during his lifetime collections of Geometridæ and Pyralidæ, comprising 264 type forms and many hundred examples of species.

P. ELBERT NOSTRAND, a Life Member of the Institute, presented to the Institute in the Autumn of 1898 his collection of Lepidoptera, numbering some three thousand specimens, together with a cabinet containing the same.

CHARLES S. MCKNIGHT, M.D., of Saratoga, presented in October, 1901, his collection of North American Lepidoptera, together with cases containing the same.

JACOB DOLL, Assistant Curator of the Entomological Collections of the Institute, has very generously loaned for exhibition at the Museum Building his own private collection of Lepidoptera, comprising some thirty thousand specimens and many rare species. It is desirable that this collection should be purchased by the Institute, in order that the Collections in Lepidoptera may be as complete as they can be made from collections in this country, and also to enable the Institute, by exchanging with foreign collectors, to enlarge the number of its species and varieties.

Large additions to the collections have been made through the following expeditions:

(1) Expedition to Brownsville in Southern Texas from April 15 until September 5, 1903, by JACOB DOLL and CARL SCHAEFFER.

(2) Expedition to Brownsville and other points in Texas from June to September, 1904, by CARL SCHAEFFER.

(3) Expedition to New Mexico and Arizona from May

until September, 1904, by JACOB DOLL and GEORGE P. ENGELHARDT.

During the Summer of 1905 Mr. SCHAEFFER made a second expedition to Arizona.

These expeditions add not only many forms to the Museum Collections, but also are the means of discovering new species and varieties.

IV. The Library on Entomology comprises most of the standard works on the subject, together with nearly complete series of the publications of Entomological Societies.

Note.—The use of the Entomological Collections and Library is subject to the rules and regulations adopted by the Trustees and Council of the Institute on the recommendation of the Department of Entomology. Portions of the Collections are kept on public exhibition at the Museum Building. For access to collections not on exhibition, application should be made to JACOB DOLL, Curator, at the Museum.

DEPARTMENT OF ETHNOLOGY.

Officers for 1908-1909.

Mr. STEWART CULIN
HON. FRANK SQUIER
STANSBURY HAGAR

Curator
Vice-President
Secretary

Executive Committee

STEWART CULIN
HON. FRANK SQUIER
Dr. JOSEPH H. HUNT
STANSBURY HAGAR

A. F. BANDELIER
MARSHALL I. SAVILLE
HARLAN I. SMITH
ALBERT A. HOPKINS

This Department was organized in November, 1903, with nine Members. The present membership is one hundred nineteen.

The work of the Department has been as follows:

I. A course of four afternoon and evening lectures on

"Mexico and the Southwest," by FREDERICK MONSEN, under the joint auspices of the Departments of Ethnology, Geography and Photography. The lectures were illustrated by colored lantern photographs, colored panoramas, and by moving pictures. The illustrations were the work of Mr. Monsen in every particular, excepting only the developing of the moving pictures. Saturdays.

The new BESELER "Double Lantern," and the new SCHNEIDER "Mirror Vitae," recently purchased by the Institute were used for the first time in these lectures.

Feb. 29—"Old Mexico—her People and Cities."

Mar. 7—"New Mexico—the Rio Grande Pueblos."

Mar. 14—"California—her Mountains and Valleys."

Mar. 21—"Arizona—Indians and Cañons."

II. An exhibition of enlarged photographs by FREDERICK MONSEN was open to the public in the Art Gallery, 174 Montague Street, from Monday, February 17, to Wednesday, February 26. Hours—Afternoons, from two until four o'clock; Monday and Saturday evenings, from eight until ten o'clock; Sundays, from two to six o'clock only.

The exhibition consisted of ethnographic and descriptive pictures.

III. The Collections of the Department have been considerably enlarged during the past year. The collections in the Museum include the WILLIAM WALLACE TOOKER Collection of Indian Relics of Long Island; the GEORGE F. KUNZ Collection of Relics from the Mississippi Valley; the WARD Collection of Models of Pueblos and Cliff Dwellings; the FREDERICK W. STARR Collection of Models of Portrait Busts of Pueblo Indians and of Pueblo Sculptures; the CHARLES A. SCHIEREN Collection of Pottery from the Pueblos, the Cliff Dwellings, and from Peru; the FRANKLIN W. HOOPER Collection of Swiss Lake Dwelling Relics, the CLARENCE W. RIGGS Collection of Pueblo Pottery; the

Japanese Collections presented by Colonel ROBERT B. WOODWARD, GEORGE C. BRACKETT, and Hon. CARLL H. DE SILVER. The Collection of Cliff Dwelling Relics presented by GEORGE FOSTER PEABODY and A. AUGUSTUS HEALY, and the collections obtained by STEWART CULIN, Curator of Ethnology, during the summers of 1903, 1904, 1905, 1906 and 1907 in Arizona, New Mexico and on the Pacific Coast.

The Department also has the following loan collections: (1) The RUSSELL STURGIS, 2d, Ethnological Collection from the Pacific Islands, and (2) The STANSBURY HAGAR Collection of Indian Relics.

IV. The Collections in Ethnology from the Southwest are now arranged for the most part in the large hall of American Ethnology on the first floor of the Museum. The Collections in European and Eastern Ethnology are exhibited in the large gallery in the basement of the Museum, and the remaining collections are temporarily placed on the second Museum floor.

V. Important Additions were made to the Ethnological Collections during the season just passed, through the expedition of STEWART CULIN to Arizona, New Mexico and California.

DEPARTMENT OF FINE ARTS

Officers for 1908-1909.

Prof. WILLIAM H. GOODYEAR, M.A.	<i>President</i>
Rev. ALFRED DUANE PELL, S.T.D.	<i>Vice-President</i>
ALBERT A. HOPKINS	<i>Secretary</i>

Executive Committee

Prof. WILLIAM H. GOODYEAR, M.A.	Miss SUSAN M. BARSTOW
Rev. ALFRED DUANE PELL, S.T.D.	Col. HENRY T. CHAPMAN
ALBERT A. HOPKINS	CLAYTON L. MOAK
Hon. FRANK SQUIER	Rev. WILLIAM H. INGERSOLL
JOSEPH H. BOSTON	Mrs. GEORGE NOTMAN
Miss EVALYN M. GRISWOLD	

The establishment of this Department was authorized by the Council and the Board of Trustees on February 11, 1888. The membership in June, 1889, was one hundred thirty-two. The present membership is ten hundred and thirty-nine. The Departments of Archæology and Fine Arts were combined in November, 1904.

This Department was regularly organized on Monday, March 16, 1903.

The work of the Department has been as follows:

I. A course of six lectures on "Art and the Daily Life," by JOHN Q. ADAMS, Ph.D., Secretary of the Art Commission of New York City. The first, fifth and sixth lectures were illustrated by lantern photographs; the second lecture, by art objects. Monday afternoons.

Apr. 20—"Art and the Day's Work."

Apr. 27—"Art, a Basic Element in Education."

May 4—"What Art is."

May 11—"Art, the Atmosphere of Good Society."

May 18—"The Value of Art in Democracy."

May 25—"The Relation of Art to the Religious Life."

II. A lecture under the joint auspices of the Departments of Fine Arts and Domestic Science, by H. K. SAMUELIAN. See Department of Domestic Science, VIII.

III. A lecture under the joint auspices of the Departments of Fine Arts and Geography, by WILLIAM LORD SMITH, M.D. See Department of Geography, IV.

IV. Three courses of lectures under the joint auspices of the Departments of Fine Arts and Painting.

A course of ten lectures by ROYAL CORTISSOZ, Art and Literary Editor of the *New York Tribune*, on "French Art," illustrated by lantern photographs. Monday evenings.

Nov. 11—"The Primitives."

Nov. 18—"The Renaissance."

- Nov. 25—"The Eighteenth Century."
- Dec. 2—"The Eighteenth Century Continued."
- Dec. 9—"The Classicists."
- Dec. 16—"The Romantic Revolt."
- Dec. 23—"The Barbizon Naturalists."
- Dec. 30—"The Impressionists."
- Jan. 6—"Diverse Modern Leaders and Types."
- Jan. 13—"The Sculptors in all Epochs."

A course of ten lectures by Miss HARRIETTE H. WINSLOW, of Philadelphia, on Italian Painting, illustrated by photographs furnished to each person present. Monday afternoons.

- Jan. 6—"Fra Bartolommeo and Albertinelli."
- Jan. 13—"Michelangelo."
- Jan. 20—"The Sistine Chapel" (with lantern photographs).
- Jan. 27—"Leonardo da Vinci and his Follower, Luini."
- Feb. 3—"Andrea del Sarto."
- Feb. 10—"Raphael and his Pupils."
- Feb. 17—"The Venetians: Giorgione and Titian."
- Feb. 24—"The Venetians: Tintoretto, Palma Vecchio, Paul Veronese."
- Mar. 2—"The Schools of Parma and Siena."
- Mar. 9—"The Decadence of Italian Painting."

A course of four lectures by A. D. SAVAGE. See Department of Painting, II.

V. A course of six lectures under the joint auspices of the Departments of Fine Arts and Philosophy.

DANIEL A. HUEBSCH, Ph.D., of Montclair, N. J. Subject: "The Old Testament in Art," illustrated by lantern photographs. Wednesday afternoons.

Apr. 1—"Ten Centuries of Striving—300 to 1300. A Period of Preparation."

Apr. 8—"The Italian Masters—1300 to 1700. An Element of the Renaissance."

Apr. 15—"Michelangelo and the Sistine Chapel. The Unequalled Interpretation."

Apr. 22—"The Art of Northern Europe—1300 to 1700. An Element of the Reformation."

Apr. 29—"Rembrandt and His Circle. The Inspiration of a Pious Mother."

May. 6—"The Art of the Moderns—1700 to 1900. Its Failure and its Success."

VI. A course of six lectures under the joint auspices of the Departments of Fine Arts, Geography and Philology.

WALTER S. PERRY, M.A., Director of the Department of Fine and Applied Arts, Pratt Institute. Subject: "India and her People," with special reference to art in India, illustrated by lantern photographs. Wednesday evenings.

Feb. 19—"India: Its Picturesque Life, Street Scenes and Strange Religious Customs. Benares and the Holy Ganges."

Feb. 26—"India: Religion and Art of the Buddhists. Sarnath and Sanchi. Mount Abu and the Jain Temples. Darjeeling and the Himalayan Mountains."

Mar. 4—"India: Modern Hinduism. Jeypore and its Street Scenes. Ascetics and their Strange Practices. Cave Temples and the Great Temples of Southern India."

Mar. 11—"India: The Mohammedans in India. Ahmedabad and its Remarkable Architectural Ruins. Delhi, the Capital City. Mosques and Palaces of Great Size and Beauty."

Mar. 18—"India: Mohammedanism. The Art of the Moguls. Mosques and Palaces, compared with those of Cairo and Southern Spain. Agra and the Taj Mahal."

Mar. 25—"India: Ceylon, 'The Pearl of India.' The Beautiful Island of the Tropics. Anaradhapura and its Remarkable Buddhist Ruins. Kandy and Nuwara Eliya."

VII. A course of six lectures under the joint auspices of the Departments of Fine Arts, Painting and Photography, by Miss ANTONIE STOLLE. See Department of Painting, III.

VIII. An Exhibition of Weaving, Basketry, Arts and Crafts was open to the public from Wednesday, October 23 to Thursday, October 31, inclusive. The exhibits were offered by Miss EVALYN M. GRISWOLD, Instructor, and by Members of her classes.

IX. The Members of the Institute were invited to visit an exhibition by the NATIONAL LEAGUE OF HANDICRAFT SOCIETIES at the PRATT ART CLUB. The exhibition was open from Friday, January 17 to Friday, January 24, inclusive.

X.—THE EVENING ART SCHOOL.

For the benefit of those Art Students who desire to pursue Courses of Art Instruction in evening classes, the EVENING ART SCHOOL has been established in conjunction with the Brooklyn Art Association, and the following courses have been conducted during the past sixteen years:

(1) Course in Free Hand Drawing from Models and from the Antique, for beginners.

(2) Men's Life Class, with Drawing and Painting from Life.

The instruction in these classes was given by JOSEPH H. BOSTON, in the Art Building, 174 Montague street. The tuition for Course (1) was free to students who showed ability and made good progress, and for Course (2), \$10 per quarter. The school opened on Monday, October 14, and closed on Friday, May 22.

XI—THE ART COLLECTIONS

The Art Collections in the Museum comprise the following:

(1) The Collection of Oil Paintings exhibited in the galleries on the third floor and in the square gallery on the main floor.

(2) A Loan Collection of Oil Paintings exhibited in the same galleries.

(3) The TISSOT COLLECTION of pictures illustrating the life of Christ, comprising 350 water colors and 161 pen and ink sketches, by JAMES J. TISSOT, purchased in 1900 for \$60,000, contributed by Members of the Institute. The water colors are on exhibition in the West gallery on the third floor.

(4) The COLLECTION OF ORIENTAL GLASS presented in 1901 by Colonel ROBERT B. WOODWARD, Member of the Board of Trustees. To the original collection additions have been made from time to time during the past seven years by Colonel WOODWARD. This collection is exhibited in the dome room of the second Museum section.

(5) The COLLECTION OF CASTS representing Greek, Roman and later sculpture presented by Members and friends of the Institute in 1898, to which additions have been made from time to time during the past ten years, on exhibition in the vestibule on the first floor of the Museum, second section.

(6) A COLLECTION OF SCULPTURES in Marble and Bronze exhibited in the alcoves of the vestibule on the first floor and in the dome room on the third floor of the Museum, presented by Members and friends of the Institute.

(7) The COLLECTION OF JAPANESE ART presented by CARLL H. DE SILVER, ROBERT B. WOODWARD, ALFRED T. WHITE, THOMAS T. BARR, GEORGE C. BRACKETT and others, exhibited in the square gallery on the first floor, in the hall

of Ethnology, basement floor, and in the dome room, third floor.

(8) COLLECTION OF ORIENTAL ART loaned by CLAYTON L. MOAK and exhibited in the square gallery on the first floor.

(9) The ALFRED DUANE PELL COLLECTION OF EUROPEAN CHINA presented by the Reverend ALFRED DUANE PELL, of New York, and exhibited in the square gallery on the first floor.

(10) The MAJOLICA LUNETTE, by GIOVANNI DELLA ROBBIA, presented by A. AUGUSTUS HEALY, President of the Board of Trustees, and exhibited in the square gallery on the first floor.

(11) A COLLECTION OF TIFFANY FAVRILE GLASS (300 pieces) loaned by CHARLES W. GOULD, of New York.

(12) The COLLECTION OF ENLARGED BROMIDE PHOTOGRAPHS illustrating the Architecture of Italy and France, exhibited in part in the hallway of the first Museum section.

(13) A COLLECTION OF REPLICAS OF GREEK COINS from the BRITISH MUSEUM, exhibited in the dome room on the third floor.

(14) COLLECTION OF SOME 4,000 PHOTOGRAPHS OF WORKS OF ART, including ARCHITECTURE, mounted, catalogued and arranged in cases for examination or study by the public.

(15) COLLECTION OF GREEK, ETRUSCAN AND ROMAN ANTIQUITIES, presented by many Members of the Institute and exhibited in the East gallery on the first floor.

(16) COLLECTION OF EGYPTIAN ART AND ARCHAEOLOGY, presented by many Members of the Institute and purchased by the contributions of many members to the Museum Collection Funds of 1906 and 1907.

FREDERICK LOESER presented in 1902 \$10,000, the interest of which is to be expended in the purchase of photographs of works of art, casts of sculptures, and other forms of reproduction of art works, and when the Museum is well supplied with these, the income of the fund may be used in purchasing original works of art.

The COLLECTION OF LANTERN SLIDES OF WORKS OF ART, numbering upwards of three thousand, mostly colored, has been labeled and catalogued. These lantern slides are used in illustrating lectures on ART subjects given at the Museum Building.

DEPARTMENT OF GEOGRAPHY

Officers for 1908-1909.

HERBERT L. BRIDGMAN, M.A.	<i>President</i>
Prin. JAMES CRUIKSHANK, LL.D.	<i>Vice-President</i>
BENJAMIN F. SEAVER	<i>Secretary</i>

Executive Committee

HERBERT L. BRIDGMAN, M.A.	FREDERICK A. COOK, M.D.
Prin. ALMON G. MERWIN, Pd.D.	GARRETT P. SERVISS, B.Sc.
JAMES CRUIKSHANK, LL.D.	DWIGHT L. ELMENDORF
Prin. WILLIAM J. O'LEARY	HARRINGTON PUTNAM
Prof. HERSCHEL C. PARKER, Ph.B.	BENJAMIN F. SEAVER
Prin. ANDREW I. SHERMAN	Prin. FREDERIC L. LUQUEER
Prin. CHARLES D. RAINE	Mrs. M. CLAIRE FINNEY
Dist. Supt. EDWARD B. SHALLOW	JOHN B. CREIGHTON

The organization of the Department of Geography was effected on February 15, 1890, with thirty members. The present membership is four hundred and fifty-two.

The work of the Department has been as follows:

I. Eight single lectures illustrated by lantern photographs, except the lecture by Miss GRIEVE.

Oct. 12—FRANK A. PERRET, Associate Director of the Royal Naples Observatory. Subject: "Vesuvius, Mt. Etna, and Stromboli; their Recent Eruptions and Earthquakes." Additional illustrations were moving pictures taken by Mr. PERRET.

Oct. 30—Captain ROALD AMUNDSEN. Subject: "Conquest of the Northwest Passage" and "Location of the North Magnetic Pole." (Matinee and evening.)

Dec. 13—Professor RALPH S. TARR, Ph.D., of Cornell University. Subject: "Mt. Saint Elias and the Malispena Glacier."

Feb. 12—FREDERICK H. LAW, of New York. Subject: "Iceland and her People." (All illustrations were colored.)

Mar. 18—Mrs. MABEL LOOMIS TODD, of Amherst, Mass. Subject: "The Recent Solar Eclipse Expedition to South America."

May 5—Miss LUCIA C. G. GRIEVE, Ph.D., of New York. Subject: "The Home Life of a Brahman Woman," illustrated by utensils for household duties and daily worship.

May 11—Mrs. HARRIET CHALMERS ADAMS, of New York. Subject: "Peru of the Incas and of To-day." (All illustrations were colored.)

May 20—J. B. DE BEER, M.D., of Brooklyn. Subject: "A Journey in Holland." (Illustrations partly plain and partly colored.)

II. Three single lectures by GARRETT P. SERVISS, B.Sc., HENRY E. NORTHROP, Ph.D., and NORMAN P. HEFFLEY. See Jamaica Branch, page 240.

III. A lecture under the joint auspices of the Departments of Geography and Botany.

Oct. 4—DANIEL T. MACDOUGAL, Ph.D., of the Carnegie Institution, Washington, D. C. Subject: "The Great Salton Sea, its Origin and Present Condition," illustrated by lantern photographs.

IV. A lecture under the joint auspices of the Departments of Geography and Fine Arts.

Nov. 8—WILLIAM LORD SMITH, M.D., of Boston. Subject: "Persia and her People," illustrated by lantern photographs.

V. Four single lectures under the joint auspices of the Departments of Geography and Photography.

Apr. 20—Professor CHARLES E. FAY, M.A., of Tufts College. Subject: "The Majesty of the Mountains," illustrated by scenes in the Alps, the Caucasus, on Mt. Saint Elias, Mt. Ruwenzori and the Himalayas. The slides were made by SELLA and colored by a chemical process.

Apr. 29—BAILEY WILLIS, of the United States Geological Survey. Subject: "Experiences in China," illustrated by plain and colored lantern photographs.

May 15—Professor WILLIAM C. PECKHAM, M.A., of Adelphi College. Subject: "Norway; the Fjords and to the North Cape."

May 22—Professor WILLIAM C. PECKHAM, M.A. Subject: "Touring in Norway and Sweden." Both lectures by Professor PECKHAM were illustrated by plain and colored lantern photographs.

VI. Four courses of special lectures under the joint auspices of the Departments of Geography and Photography.

I. A course of four matinee and evening lectures by Dr. JOHN C. BOWKER, of Lawrence, Massachusetts, illustrated by beautifully colored lantern photographs made from pictures taken by Dr. BOWKER. Saturdays.

Oct. 19—"Imperial India—her Temples and Scenery."

Oct. 26—"Isles of Fantasy—the Azores, Canaries and Madeira."

Nov. 2—"New Zealand—the Wonderland of the South."

Nov. 9—"Portugal—A Cluster of Grapes."

2. A course of five matinee and evening lectures by DWIGHT L. ELMENDORF, of New York, on "Places of Great Historic and Picturesque Interest." The lectures were illustrated by colored lantern photographs and by moving pictures taken by Mr. ELMENDORF. Thursdays.

Nov. 21—"The Panama Canal."

Nov. 28—"Old Mexico."

Dec. 5—"The Grand Cañon."

Dec. 12—"The Pacific Coast."

Dec. 19—"Yellowstone Park."

3. A course of five matinee and evening lectures by BURTON HOLMES, of Chicago, on "Places of Great Natural Interest or Beauty." The lectures were illustrated by beautifully colored lantern photographs and cinematographic views. Tuesday afternoons and Wednesday evenings.

Jan. 14 and 15—"Imperial Berlin."

Jan. 21 and 22—"Vienna."

Jan. 28 and 29—"Paris the Magnificent."

Feb. 4 and 5—"London."

Feb. 11 and 12—"Fez."

4. A course of four matinee and evening lectures by GARRETT P. SERVISS, B.Sc., of New York, on subjects of "Great National, Historic or Picturesque Interest." The lectures were illustrated by beautifully colored lantern photographs and by moving pictures. In this course of lectures Mr. SERVISS used moving pictures for the first time. Saturdays.

Mar. 28—"William Tell."

Apr. 4—"Spain of the Moors."

Apr. 11—"Golden Venice."

Apr. 18—"Rome."

VII. A course of lectures and an exhibition of enlarged photographs under the joint auspices of the Departments of

Geography, Ethnology and Photography, by FREDERICK MONSEN. See Ethnology, I and II.

VIII. A lecture under the joint auspices of the Departments of Geography and Political Science.

Dec. 2—Professor FREDERICK STARR, Ph.D., of Chicago University. Subject: "The Congo," illustrated by lantern photographs.

IX. A course of lectures under the joint auspices of the Departments of Geography, Fine Arts and Philology, by WALTER S. PERRY, M.A. See Fine Arts, VI.

X. Two excursions.

Through the courtesy of the BROOKLYN LEAGUE, Members of the Institute were invited to participate in an excursion to the Jamestown Exposition during the last week in May, 1907; also to an excursion to the Pacific Coast, extending over a period of four weeks, beginning on August 17, 1907.

XI. The International Polar Congress.

The Institute and its Department of Geography were represented by HERBERT L. BRIDGMAN, President of the Department of Geography, in the Second International Congress for the Study of Polar Regions, held at Brussels, Belgium, in the latter part of May, 1908. Mr. BRIDGMAN participated as an active member of the Congress, not only as a representative of the Institute, but also of the United States Government.

XII. The Main Geographical Collections of the Department have been arranged on the basement floor of the Museum Building, and have been available for use by the public at all times when the Museum is open. The Collections contain upwards of three thousand maps, charts, globes, reliefs, models, books of reference and other geo-

graphical publications. Valuable donations have been made to the Collection, and twenty-four geographical models of conspicuous features of the earth's surface, and eight models of Pueblos and cliff dwellings from Arizona, New Mexico and vicinity, together with some fifty enlarged photographic transparencies of places of geographic interest, have been purchased. The Geographical Collections of the Children's Museum are open free to the public at all hours when the Museum is open.

DEPARTMENT OF GEOLOGY

Officers for 1908-1909.

Prof. JOHN MICKLEBOROUGH, Ph.D.	<i>President</i>
ROSSITER W. RAYMOND, Ph.D.	<i>Vice-President</i>
WALLACE GOOLD LEVISON, B.Sc.	<i>Secretary</i>

Executive Committee

Prof. JOHN MICKLEBOROUGH, Ph.D.	GEORGE E. ASHBY Prof. FRANKLIN W. HOOPER, M.A.
ROSSITER W. RAYMOND, Ph.D.	FREDERIC A. LUCAS
Prof. JOHN S. MCKAY, Ph.D.	WILLIAM G. BOWDOIN
Prof. HENRY F. OSBORN, Ph.D.	WALLACE G. LEVISON, B.Sc.
FREDERICK BRAUN	

The Department of Geology was organized on December 18, 1888, with thirty-four members. Its present membership is one hundred and twenty-nine.

The work of the Department has been as follows:

I. A lecture illustrated by lantern photographs.

Apr. 2—Professor WILLIAM B. SCOTT, Ph.D. Subject: "Hoofed Animals of the Southern Hemisphere."

II. The Geological Collections of the Institute comprise the following: (1) A collection of lithological specimens

representing the drift deposits of Long Island. (2) A collection of fossils found in the drift deposits of Long Island. (3) A collection of sands arranged in stratigraphical series representing the tertiary and quarternary deposits of Long Island. (4) A collection of lithological specimens representing the geological formations (including the drift deposits) on Manhattan Island. (5) A collection of lithological specimens representing the geological formations (including the trap rock of the Palisades) of New Jersey. (6) The GEBHARD Collection representing the paleontology and lithology of Schoharie County, N. Y., described in the eleventh Year Book (1898-9). (7) A lithological collection representing the plutonic rocks of Germany deposited by the PRATT INSTITUTE. (8) A collection representing the coal plants of the Pennsylvania carboniferous rocks. (9) A general lithological collection representing typical rocks from various parts of the United States and Europe. (10) A collection of fossils from the geological formations in southern Germany. (11) A collection of fossil fishes presented by the Hon. EUGENE G. BLACKFORD in 1901. (12) A large collection of fossils from the formations in the State of New York made by Mr. FREDERICK BRAUN for the Museum.

III. The department of Geology also has the following loan exhibits: (1) A general collection in paleontology and lithology, loaned by Professor DANIEL S. MARTIN. (2) A fine collection in paleontology specially rich in fossil corals, fossil star-fishes and fossil sponges, loaned by Mr. FREDERICK BRAUN.

IV. The Skeleton of the Mastodon that was acquired in 1899 was mounted in the Natural History Gallery on the second floor of the Museum in March, 1901.

DEPARTMENT OF LAW

Officers for 1908-1909.

HON. JAMES D. BELL	<i>President</i>
HON. SIDNEY V. LOWELL	<i>First Vice-President</i>
HON. GEORGE H. FISHER	<i>Second Vice-President</i>
ELMER G. SAMMIS	<i>Secretary</i>

Executive Committee

HON. JAMES D. BELL, <i>Chairman</i>	
HON. JAMES MCKEEN, LL.D.	HARRINGTON PUTNAM
HON. JOSEPH A. BURR	Prof. ISAAC F. RUSSELL, LL.D.
HON. FREDERICK W. HINRICHS	HON. WILLARD BARTLETT
HON. J. HAMPDEN DOUGHERTY	HON. GEORGE H. FISHER
HON. FREDERICK E. CRANE	ELMER G. SAMMIS
HON. WILLIAM J. CARR	HON. J. EDWARD SWANSTROM

STANDING COMMITTEES

International Law and Arbitration

HON. JAMES MCKEEN, <i>Chairman</i>	
HON. EDGAR M. CULLEN	GEORGE C. BRAINERD
HON. ALBERT E. LAMB	B. LINCOLN BENEDICT

Committee on Constitutional Law

HON. JOSEPH A. BURR, <i>Chairman</i>	
HON. WILLIAM J. GAYNOR	HON. GEORGE G. REYNOLDS
JOHN J. ALLEN	HON. CHARLES H. RUSSELL

Committee on Civil Law and Procedure

HON. J. EDWARD SWANSTROM, <i>Chairman</i> .	
GEORGE C. BRAINERD	EDWARD H. WILSON
TUNIS G. BERGEN	CHARLES F. MOODY

Committee on Criminal Law and Procedure

HON. FREDERICK E. CRANE, <i>Chairman</i> .	
HON. J. HAMPDEN DOUGHERTY	Col. ALEXANDER S. BACON
HON. JOHN F. CLARKE	JOHN C. MCGUIRE

Committee on Property and Contracts

HON. WILLIAM J. CARR, <i>Chairman</i> .	
FRANK HARVEY FIELD	HON. ALBERT B. McDONALD
WALTER S. BREWSTER	HON. RICHARD B. GREENWOOD, JR.

*Committee on Jurisprudence and Procedure in Equity*Hon. SIDNEY V. LOWELL, *Chairman*

H. C. M. INGRAHAM

Hon. NORMAN S. DIKE

SANFORD H. STEELE

R. PERCY CHITTENDEN

*Committee on Admiralty Law*HARRINGTON PUTNAM, *Chairman*.

HENRY T. WING

CHARLES M. STAFFORD

NOAH TEBBETS

HENRY GOODRICH

*Committee on Patent Law, Trade Marks and Copyrights*Prof. ISAAC F. RUSSELL, LL.D., *Chairman*

STILLMAN F. KNEELAND

ADOLPH KIENDL

OMRI F. HIBBARD

ARNON L. SQUIERS

*Committee on Professional Ethics*Hon. WILLARD BARTLETT, *Chairman*

Hon. WILLIAM B. HURD, Jr.

Gen. STEWART L. WOODFORD

Hon. FREDERICK W. HINRICHs

Hon. JESSE JOHNSON

*Committee on Partnerships and Corporations*Hon. GEORGE H. FISHER, *Chairman*

CHARLES F. AYER

FREDERICK P. BELLAMY

ISAAC M. KAPPER

GEORGE FREIFELD

*Committee on Municipal Law*Hon. FREDERICK W. HINRICHs, *Chairman*

ELMER G. SAMMIS

ARTHUR C. SHENSTONE

HIRAM R. STEELE

MELVILLE J. FRANZ

This Department was organized on Friday, June 14, 1895, with a membership of one hundred and twenty-three. On January 27, 1896, the Executive Committee held its first meeting and appointed its Standing Committees. The first public meeting was held on Monday evening, March 30, 1896, and the opening address was delivered by the Hon. EDWARD J. PHELPS, LL.D., ex-Minister to Great Britain.

The present membership of the Department is two hundred sixty-one.

The work of the Department has been as follows:

I. A series of two addresses.

Dec. 9—Honorable GEORGE H. FISHER, Second Vice-President of the Department. Subject: "Reminiscences of the New York Legislature in the Sixties."

Apr. 21—Honorable SIDNEY V. LOWELL, First Vice-President of the Department. Subject: "The Torrens System of Land Title Registration."

II. A course of five "Law Lectures for Women," by Mrs. CORNELIA K. HOOD, LL.B., of Brooklyn. Tuesday afternoons.

Jan. 14—"Laws Relating to Children."

Jan. 21—"The Legal Status of Women."

Jan. 28—"What the State does with the Property of the Intestate."

Feb. 4—"Special Property Rights of Married Women."

Feb. 11—"The Progress of the Law."

III. A lecture under the joint auspices of the Departments of Law and Political Science.

Oct. 21—Reverend JOHN T. DRISCOLL, S.T.L., of Fonda, New York. Subject: "Governor Dongan and the Constitution of New York State."

IV. HUGO GROTIUS anniversary meeting. See Anniversary Meetings, VI.

Committee on Law Lectures for Women

Mrs. EDWIN BEERS

Mrs. CORNELIA K. HOOD, LL.B.

Mrs. BERNARD PETERS

Miss JULIA LATIMER

Mrs. MARY S. CROXSON

Miss MATHILDE MCLEAN

Mrs. SAMUEL BOWNE DURYEA

Miss HILDA LOINES

Miss MARY ORR

Miss HELEN H. MACOWAN

Mrs. ANDREW J. PERRY

Mrs. M. E. NEUBERT

Mrs. CHARLES A. SILVER

The Law Department is engaged in making a collection of portraits and busts of eminent jurists and lawyers, and

also a collection of rare legal books and papers associated with the study and practice of law which may have an historical or personal value. The presentation of the portraits as stated above marks the beginning of Museum collections in the Law Department.

DEPARTMENT OF MATHEMATICS

Officers for 1908-1909.

Prof. JOSEPH BOWDEN, Ph.D.	<i>President</i>
JAMES CRUIKSHANK, LL.D.	<i>Vice-President</i>
Commander H. O. RITTENHOUSE	<i>Secretary</i>

Executive Committee

Prof. JOSEPH BOWDEN, Ph.D.	Prin. DeFOREST A. PRESTON
Com. H. O. RITTENHOUSE	J. P. WINTRINGHAM
Dist. Supt. JAMES J. McCABE	Prof. J. BRACE CHITTENDEN, Ph.D.
Prin. CHARLES W. LYON, Jr.	Dist. Supt. EDW. B. SHALLOW, B.A.
JAMES CRUIKSHANK, LL.D.	Prof. ARTHUR LATHAM BAKER
Prin. CHARLES D. LARKINS	ALBERT L. COLSTEN, C.E.
Prin. RUTH E. GRANGER	WILLIAM E. STILSON
EDWARD B. PARSONS	Prof. L. LELAND LOCKE, M.A.
Prof. ISAAC E. HASBROUCK, M.A.	

The organization of this Department was effected on May 23, 1890, with a membership of twenty-five. The present membership is one hundred seven.

The work of the Department has been as follows:

I. A series of five lectures.

Oct. 9—Professor ARTHUR LATHAM BAKER, of the Manual Training High School. Subject: "Tantalus in Mathematics."

Jan. 15—Professor JOSEPH BOWDEN, Ph.D., of Adelphi College, President of the Department. Subject: "Lord Kelvin."

Feb. 12—H. O. RITTENHOUSE, Commander, United States Navy (Retired). Subject: "Other Spaces than Ours," illustrated by drawings.

Mar. 11—Professor E. LELAND LOCKE, M.A., of Adelphi College. Subject: "Prominent Mathematicians: Gallileo Gallilei," illustrated by lantern photographs.

Apr. 8—H. O. RITTENHOUSE, Commander, United States Navy (Retired). Subject: "The Curves of Projectiles," illustrated by blackboard drawings.

II. A lecture under the joint auspices of the Departments of Mathematics and Pedagogy.

Nov. 13—Professor THOMAS M. BALLIET, Ph.D., Dean of the School of Pedagogy, New York University. Subject: "The Teaching of Mathematics in Elementary Schools."

DEPARTMENT OF MICROSCOPY

Officers for 1908-1909.

JOHN J. SCHOONHOVEN, M.A.

President

THOMAS I. MILLER

Vice-President

JAMES WALKER

Curator

MISS AGNES V. LUTHER

Secretary

Executive Committee

JOHN J. SCHOONHOVEN

THOMAS I. MILLER

JOSEPH P. WINTRINGHAM

WILLIAM G. BOWDOIN

GEORGE E. ASHBY

GEORGE P. SANBORN

JOSEPH E. BROWN

WALLACE GOOLD LEVISON, B.Sc.

HENRY S. WOODMAN

FREDERICK KATO

LAWRENCE L. DUERDEN

Mrs. HELEN W. JOY

JAMES WALKER

MARTIN E. ALPERS, Jr.

Prof. WM. C. PECKHAM, M.A.

MISS AGNES VINTON LUTHER

RICHARD W. SHARPE, M.Sc.

EDGAR A. BEDFORD, M.Sc.

This Department was organized by the Brooklyn Microscopical Society in April, 1888, with a membership of sixty-eight, and is the oldest in the Institute. Its present membership is one hundred and five.

The work of the Department has been as follows:

I. A series of six conferences.

Oct. 8—J. LAINSON WILLS, Member of the Department. Subject: "The Micro-organisms of Fermentation," illustrated by microscopical preparations.

Nov. 12—Miss ESTHER F. BYRNES, Ph.D., of the Girls' High School. Subject: "The Fresh-water Cyclops of Long Island," illustrated by drawings made from microscopical objects.

Dec. 10—EDGAR A. BEDFORD, M.Sc., of the Commercial High School. Subject: "Some Microscopical Methods of Value in the Study of the Nervous System," illustrated by microscopical preparations.

Apr. 14—Mrs. HELEN Warburton Joy, Member of the Department. Subject: "Pond Life," illustrated by lantern photographs.

May 12—HENRY S. WOODMAN, ex-President of the Department. Subject: "Microscopical Preparations of Insects and Parts of Insects."

May 26—RICHARD W. SHARPE, M.Sc., of the DeWitt Clinton High School. Subject: "Pond Life," supplemented by a discussion of the ecology, bibliography and summary of progress in recent years, illustrated by living forms.

II. A lecture under the joint auspices of the Departments of Microscopy and Botany.

Mar. 24—Professor GEORGE P. CLINTON, D.Sc., of the Agricultural Experiment Station, New Haven. Subject: "Fungous Diseases of Plants," illustrated by specimens and lantern photographs.

III. Two lectures under the joint auspices of the Departments of Microscopy and Mineralogy.

Oct. 1—Professor WILLIAM CAMPBELL, Ph.D. See Department of Mineralogy, III.

Jan. 8—WALLACE GOOLD LEVISON, B.Sc., of Brooklyn. Subject: "The Crystallization of Minerals," illustrated by experimental demonstrations.

IV. A conference under the joint auspices of the Departments of Microscopy and Mineralogy.

Feb. 11—THOMAS I. MILLER, Vice-President of the Department of Microscopy, assisted by GEORGE E. ASHBY and JAMES WALKER. Subject: "Microscopical Mineralogy," illustrated by microscopical preparations.

V. A lecture under the joint auspices of the Departments of Microscopy and Photography, by J. E. BRULATOUR. See Department of Photography, VIII.

VI. Three lectures under the joint auspices of Microscopy and Zoölogy.

Jan. 28—THOMAS H. MORGAN. See Department of Zoölogy, III.

Feb. 25—THOMAS H. MORGAN. See Department of Zoölogy, III.

Apr. 28—JOHN J. SCHOONHOVEN, President of the Department of Microscopy. Subject: "Animal Parasites and their Relation to Health and Disease," illustrated by plain and colored lantern photographs.

VII. A lecture under the joint auspices of the Departments of Microscopy, Psychology and Zoölogy.

May 13—BORIS SIDIS, M.D., Ph.D., of Boston. Subject: "Morbid Affections and Human Energies."

VIII. A lecture under the joint auspices of the Departments of Microscopy, Chemistry, Mineralogy and Physics. See Mineralogy, V.

IX. Annual Exhibition.

Mar. 14—The Twenty-first Annual Microscopical Exhibition was held in the Art Gallery, No. 174 Montague street.

One hundred and twenty-seven exhibits were on the tables, and during the entire evening the hall was filled with Members and their friends.

The exhibitors were: MARTIN E. ALPERS, JR., A. E. ANDERSON, FREDERICK W. APGAR, GEORGE E. ASHBY, HERBERT B. BALDWIN, CHARLES BARKER, WILLIAM T. BATHER, BAUSCH & LOMB OPTICAL COMPANY, Prof. EDGAR A. BEDFORD, Dr. J. EDDY BLAKE, JOSEPH EPES BROWN, WILLIAM G. BOWDOIN, WILLIAM M. BUTTERFIELD, Dr. CAMPBELL, E. C. CHAPMAN, Dr. JOHN FANCHER CRAWFORD, LAWRENCE L. DUERDEN, EIMER & AMEND, L. W. FROELICK, WILLIAM FINNEY, GEORGE A. FISKE, Dr. JOHN A. FORDYCE, Miss JULIET GREER, Hoagland Laboratory, ROBERT HAGELSTEIN, Mrs. HELEN WARBURTON JOY, FREDERICK KATO, Dr. GEORGE F. KUNZ, Miss MARGUERITE T. LEE, ERNST LEITZ, WALLACE GOOLD LEVISON, FERRIS C. LOCKWOOD, Loomis Laboratory, O. T. LOUIS COMPANY, THE LUMIÈRE COMPANY, Miss AGNES VINTON LUTHER, Dr. F. S. MANDELBAUM, JOHN MATZINGER, JOHN MCCALLUM, WILLIAM S. MILLS, THOMAS I. MILLER, Dr. HARRIS MOAK, Mount Prospect Laboratory, DWIGHT NORTHUP, Prof. JOHN C. OLSEN, Mrs. A. EMERSON PALMER, Dr. WILLIAM H. PARK, Prof. CLAYTON A. PETERS, PHILIP EDWARD ROLLHAUS, WILLIAM G. ROTHE, JOHN J. SCHOONHOVEN, Dr. JAMES H. STEBBINS, JR.; BENJAMIN T. VAN NOSTRAND, VOIGTLÄNDER & SOHN, A.G., JAMES WALKER, MARTIN H. WILCKENS, J. P. WINTRINGHAM, HENRY S. WOODMAN.

The number of exhibits was one hundred twenty-seven.

The twenty-first annual exhibition was remarkable for the interest which it created among professional workers, physicians and laymen alike; also for the unusual display of new features, among which might be named the dark-ground illuminator, the photomicrographs, the color half-tones, and the lantern slides made from photomicrographs.

X. THE PERMANENT PUBLIC MICROSCOPICAL EXHIBITION.

Under the supervision of Professor JOHN S. MCKAY, Ph.D., Curator of the collections in the Physical Sciences, five special microscopical cases were constructed in 1890, in which to place for permanent public use the twenty-nine compound microscopes then owned by the Institute. Each of these cases is six feet in length, about fourteen inches in height, has a solid wooden bottom, which rests upon a table, and has plate glass in the front, back and two ends. The top of each is also of plate glass, perforated with holes about two and one-half inches in diameter. Each of the cases is designed to contain six compound microscopes. The microscopes have been placed in the cases with the eyepieces projecting through the round openings in the top. Four of the five cases, containing altogether twenty-three microscopes, have been placed on tables on the second floor of the Museum Building, and one, containing six of the microscopes, at the Children's Museum. The microscopes thus placed in the cases can be continuously in use by visitors to the Museum Building. Microscopic objects are placed by the Curator under the several microscopes; the objects are focussed, and any one visiting the Museums may have an opportunity to see at any time at least twenty-nine interesting microscopic objects. The objects are changed from time to time, so that those who visit the Museum at one time may find fresh objects for observation at the following visit. It is believed that this arrangement of the microscopes for constant public use constitutes the First Permanent Public Microscopical Exhibition in any Museum.

XI. Instruments and Collections for use at meetings of the Department.

The Department has two BAUSCH & LOMB stands (purchased by the Department), one ZENTMAYER stand and one ACME stand (loaned by Professor F. W. HOOPER), an R. &

J. BECK binocular stand (presented by EUGENE G. BLACKFORD)—all equipped with eye-pieces and objectives—a ZENTMAYER grand centennial binocular stand with all accessories, a dissecting microscope, a microtome, six bull's eye condensers (presented by Miss AGNES VINTON LUTHER), and many slides (gifts by HENRY T. CROSBY).

There are also valuable collections of accessories and an excellent library of interest to the microscopist.

Members are invited to add to the mounted microscopical preparations for the cabinet collection.

XII. The Stiles Collection.

To the collections and apparatus in Microscopy were added in 1902 the very valuable microscopical outfit of the late S. E. STILES, M.D., formerly President and for many years an active and very useful and much honored Member of the Department. The collection comprises some 1,100 very excellent microscopical preparations and a compound microscope with many attachments, including a fine polariscope.

DEPARTMENT OF MINERALOGY

Officers for 1908-1909

WILLIAM G. ROTHE
GEORGE E. ASHBY
JAMES WALKER

President
Vice-President
Secretary

Executive Committee

WILLIAM G. ROTHE
GEORGE E. ASHBY
WILLIAM URBAN, Jr.
WALLACE GOULD LEVISON, B.Sc.
THOMAS I. MILLER
Miss AGNES V. LUTHER

Mrs. HELEN W. JOY
Miss JULIE M. HUSSON
JAMES WALKER
FREDERICK KATO
FREDERICK BRAUN
WILLIAM T. BATHER

The Department of Mineralogy was organized on November 21, 1888, with twenty-eight members. The present membership is seventy-nine.

The work of the Department has been as follows:

I. A series of two lectures.

Jan. 7—WALDEMAR T. SCHALLER, of the United States Geological Survey, Washington, D. C. Subject: "Diamonds," illustrated by lantern photographs and mounted photographs.

Apr. 7—ALEXIS A. JULIEN, Ph.D., of Columbia University. Subject: "A City on Foundations of Crystal," illustrated by lantern photographs and microscopical projections.

II. A series of nine conferences.

Oct. 15—A general conference for Members of the Department. There were exhibits and descriptions of minerals collected during the summer of 1907.

Nov. 19—WILLIAM G. ROTHE, President of the Department. Subject: "The Copper Minerals," illustrated by specimens.

Dec. 17—Mrs. HELEN WARBURTON JOY, Member of the Executive Committee of the Department. Subject: "Stalactites," illustrated by lantern photographs.

Dec. 20—Professor DANIEL S. MARTIN, M.A., Subject: "The Wheatly Collection." This conference was of the nature of a social meeting, and was held at the home of Professor MARTIN, 756 Quincy Street.

Jan. 21—THOMAS I. MILLER. Subject: "Collections of Calcium Minerals," illustrated by specimens of Fluorite, Calcite, Aragonite and Gypsum.

Feb. 18—GEORGE E. ASHBY, Ex-President of the Department. Subject: "Irridescence in Minerals," illustrated by specimens and by the use of the lantern.

Mar. 17—FREDERICK BRAUN, Member of the Department. Subject: "The Lead Minerals," illustrated by specimens.

Apr. 21—FREDERICK KATO, Member of the Department. Subject: "The Minerals of the Trap Rocks of New Jersey," illustrated by specimens.

Apr. 24—JOSEPH H. HUNT, M.D., first President of the Department. Subject: "Reminiscences of the Excursions of the Mineralogical Department during its Early Days," illustrated by lantern slides, which Dr. HUNT presented to the Department at the close of the conference. The slides were made from photographs of the Hoxie quarry at Paterson, N. J.; the Snake Hill quarry, N. J.; the O'Rourke quarry, at Orange, N. J.; the Serpentine quarry, at Staten Island; the Buckwheat mine, at Franklin Furnace, N. J.; the Rocking Stone, near White Plains, N. Y.; and places in Brooklyn, showing terminal moraines and glacial drift, which contained interesting mineral specimens. These pictures were made during a series of years, and will prove of great value in the records of the Department.

III. Two lectures under the joint auspices of the Departments of Mineralogy and Microscopy.

Oct. 1—Professor WILLIAM CAMPBELL, Ph.D., of Columbia University. Subject: "The Microscopical Structure of Metals, Native and Artificial," illustrated by lantern photographs and microscopical preparations.

Jan. 8—WALLACE GOOLD LEVISON, B.Sc. See Department of Microscopy, III.

IV. A conference under the joint auspices of the Departments of Mineralogy and Microscopy, by THOMAS I. MILLER, assisted by GEORGE E. ASHBY and JAMES WALKER. See Department of Microscopy, IV.

V. A lecture under the joint auspices of the Departments of Mineralogy, Chemistry, Microscopy and Physics.

Mar. 3—GEORGE E. ASHBY, Ex-President of the Department. Subject: "Iridescence in Glass," illustrated by specimens, experiments and lantern photographs.

VI. Two field meetings.

Nov. 5—Under the joint auspices of the Department of Mineralogy and the New York Mineralogical Club a visit was made to the quarry of P. H. KINKEL'S SONS, Bedford, New York. The party was conducted by FREDERICK KATO.

May 30—Under the joint auspices of the Department of Mineralogy and the New York Mineralogical Club a visit was made to Upper Montclair and Great Notch, New Jersey. The party was conducted by FREDERICK KATO.

VII. The Mineral Collections of the Department have been increased during the past year by the gift of several beautiful, large, rare and instructive specimens, and the collections will be further enriched during the coming season. Those specimens that are most suitable for public exhibition have been placed in glass cases in the new Museum Building and in the Children's Museum, Bedford Park. Other specimens are arranged for reference in closed cases, and still others await case room for their display. New cases will be added to the Mineral Department during the year to accommodate its collections.

The Children's Museum contains good collections of Minerals and Rocks, to which additions will be made during the coming year.

VIII. A Very Valuable Loan Exhibition of Minerals has been placed in the Gallery on the second floor of the new Museum by the following Members of the Department: WALLACE GOULD LEVISON, B.Sc., and Prof. DANIEL S. MARTIN. These loan collections have remained on public exhibition through the courtesy of their owners since the Fourth Annual Mineralogical Exhibition, given in December, 1897, and have added very greatly to the attractiveness of the Museum Collections in Natural History and to the instruction of the public.

DEPARTMENT OF MUSIC

Officers for 1908-1909

R. HUNTINGTON WOODMAN	<i>President</i>
ARTHUR CLAASSEN	<i>First Vice-President</i>
PERLEE V. JERVIS	<i>Second Vice-President</i>
JOHN HYATT BREWER	<i>Secretary</i>
H. BROOKS DAY	<i>Librarian</i>

THE ADVISORY BOARD

The President of the Board of Trustees and of the Council, together with the Director of the Institute, are members *ex-officio*.

Terms expire in April, 1909

EDWARD M. BOWMAN	HENRY ALLAN PRICE
JOHN HYATT BREWER	Mrs. THOMAS PROSSER
F. A. M. BURRELL	GRAHAM REED
WALTER HENRY HALL	W. JOHN SCHILDE, D.D.S.
Mrs. FRANK M. LUPTON	IRA PRESTON TAYLOR
Mrs. HENRY R. MALLORY	G. WARING STEBBINS

Terms expire in April, 1910

SAMUEL A. BALDWIN	Mrs. ANDREW JACOBS
FREDERICK C. BATES	Mrs. HENRY I. JUDSON
Miss MARY BENSON	WILLIAM MCCARROLL
JAMES H. DOWNS	HERBERT S. SAMMOND
EDMUND D. FISHER	THOMAS WHITNEY SURETTE
W. F. HERBERT	ROBERT G. WEIGESTER

Terms expire in April, 1911

ARTHUR CLAASSEN	HUGO STEINBRUCH
HOWARD W. CONNELLY	HENRY KLINGENFELD
H. BROOKS DAY	Hon. WILLIAM C. REDFIELD
Mrs. CAMDEN C. DIKE	J. E. VAN OLINDA
CARL FIQUÉ	LOWELL M. PALMER
Miss ALICE L. FOWLER	Mrs. CHARLES F. PRAY

Terms expire in April, 1912

CLARENCE EDDY	Miss ALICE M. JUDGE
LIVINGSTON CHAPMAN	Mrs. PAUL LICHTENSTEIN
HON. FREDERICK E. CRANE	A. S. KIRKMAN
WALTER H. CRITTENDEN	FREDERICK R. PRESTON
Mrs. E. J. GRANT	WILLIAM E. TAYLOR
PERLEE V. JERVIS	SCOTT WHEELER

Terms expire in April, 1913.

Mrs. DWIGHT P. CLAPP	BERNARD O'DONNELL
FREDERICK B. FISKE	CHARLES STUART PHILLIPS
HENRY C. KNIGHT	ALEXANDER RIHM
TALI ESEN MORGAN	WILLIAM A. THAYER
GEORGE F. MORSE	Mrs. MARY WARDELL
Mrs. GEORGE NOTMAN	R. HUNTINGTON WOODMAN

*Executive Committee*R. HUNTINGTON WOODMAN, *Chairman*

SAMUEL A. BALDWIN	CARL FIQUÉ
JOHN HYATT BREWER	WALTER HENRY HALL
F. A. M. BURRELL	FRANKLIN W. HOOPER, M.A.
ARTHUR CLAASSEN	PERLEE V. JERVIS
H. BROOKS DAY	Miss ALICE M. JUDGE
JAMES H. DOWNS	Mrs. FRANK M. LUPTON
CLARENCE EDDY	GRAHAM REED

STANDING COMMITTEES, 1908-1909.

The President and Secretary of the Department, and the Director of the Institute, are members *ex-officio* of the Standing Committees.

Chamber Music Concerts

JOHN HYATT BREWER	CARL FIQUÉ
Mrs. DWIGHT P. CLAPP	Miss ALICE L. FOWLER
H. BROOKS DAY	Miss ALICE M. JUDGE
HENRY KLINGENFELD	

Orchestral Concerts

ARTHUR CLAASSEN	PERLEE V. JERVIS
Miss MARY BENSON	Mrs. PAUL LICHTENSTEIN
Mrs. ANDREW JACOBS	Dr. W. JOHN SCHILDGE
J. E. VAN OLINDA	

Choral Concerts

JAMES H. DOWNS	WALTER HENRY HALL
FREDERICK C. BATES	Mrs. HENRY I. JUDSON
Mrs. CAMDEN C. DIKE	CHARLES STUART PHILLIPS
HUGO STEINBRUCH	

Organ Concerts

R. HUNTINGTON WOODMAN	GEORGE F. MORSE
SAMUEL A. BALDWIN	G. WARING STEBBINS
CLARENCE EDDY	Mrs. MARY WARDELL
SCOTT WHEELER	

Lectures

CARL FIQUÉ	BERNARD O'DONNELL
W. F. HERBERT	Mrs. CHARLES F. PRAY
WALTER H. CRITTENDEN	ALEXANDER RIHM
THOMAS WHITNEY SURETTE	

Piano and Violin Recitals

PERLEE V. JERVIS	Miss ALICE M. JUDGE
Miss ALICE L. FOWLER	FREDERICK R. PRESTON
H. BROOKS DAY	Mrs. THOMAS PROSSER
WILLIAM E. TAYLOR	

Membership

F. A. M. BURRELL	Hon. WILLIAM MCCARROLL
Mrs. GEORGE NOTMAN	Hon. WILLIAM C. REDFIELD
W. F. HERBERT	A. S. KIRKMAN
LOWELL M. PALMER	

Reception Committee

Hon. FREDERICK E. CRANE	Miss ALICE M. JUDGE
HOWARD W. CONNELLY	Mrs. HENRY R. MALLORY
FREDERICK B. FISKE	HENRY ALLAN PRICE
IRA PRESTON TAYLOR	

Musical Instruction

Miss ALICE M. JUDGE	TALI ESEN MORGAN
JAMES H. DOWNS	WILLIAM E. TAYLOR
EDMUND D. FISHER	WILLIAM A. THAYER
Mrs. DWIGHT P. CLAPP	

Song Recitals

GRAHAM REED
 Mrs. E. J. GRANT
 Mrs. FRANK M. LUPTON

HERBERT S. SAMMOND
 ROBERT G. WEIGESTER
 SCOTT WHEELER

This Department was organized on November 27, 1891, with fifty-four members. The present membership is two thousand three hundred thirty-seven.

The work of the Department has been as follows:

I. ORCHESTRAL CONCERTS.

(In the Baptist Temple, Friday evenings.)

A series of five concerts by the BOSTON SYMPHONY ORCHESTRA, Dr. KARL MUCK, Conductor, ninety-six musicians, under the auspices of the Department of Music of the Institute and the Brooklyn Philharmonic Society. The dates and assisting artists were as follows:

Dates—November 8, December 6, January 10, February 21, and March 20.

Soloists: December 6, IGNACE JAN PADEREWSKI, piano; January 10, Mme. TERESA CARREÑO, piano; February 21, FRITZ KREISLER, violin.

(In the Baptist Temple, Saturday afternoons.)

A series of five concerts by the NEW YORK SYMPHONY ORCHESTRA, WALTER DAMROSCH, Conductor. The dates and assisting artists were as follows:

Dates: November 23, December 14, January 25, March 7, and April 4.

Soloists: November 23, JOSEF HOFMANN, piano; December 14, Mme. TERESA CARREÑO, piano; January 25, Mme. BLOOMFIELD-ZEISLER, piano; March 7, M. EMILIO DE GORZA, barytone; Mme. HISSAM DE MOSS, soprano; Miss ROSE O'BRIEN, mezzo-soprano; Mr. REED MILLER, tenor, and Mr. TOM DANIELS, bass; April 4, DAVID MANNES, violin.

The programme for the afternoon of March 7 was TSCHAIKOWSKY'S Opera, "EUGÈNE ONEGIN."

The programme for April 4 consisted of selections from WAGNER.

II. CHAMBER MUSIC CONCERTS.

(In Association Hall.)

A series of five concerts by the KNEISEL STRING QUARTETTE, FRANZ KNEISEL, first violin; JULIUS ROENTGEN, second violin; LOUIS SVECENSKI, viola; WILLEM WILLEKE, 'cello.

Friday, January 17—Assisting artist, Mrs. THOMAS TAPPER, piano.

Thursday, February 6—Assisting artist, SIGISMOND STOWSKI, piano.

Thursday, March 12—Assisting artist, Miss KATHERINE GOODSON, piano.

Thursday, April 9—Soloist, WILLEM WILLEKE, 'cello; assisting artist, Miss CAROLYN BEEBE, piano; accompanist for Mr. WILLEKE, JULIUS ROENTGEN.

Thursday, May 7—Soloist, FRANZ KNEISEL, violin; assisting artist, CARLO BUONAMICI, piano; accompanist for Mr. KNEISEL, Miss WINIFRED BAUER.

A concert by the OLIVE MEAD STRING QUARTETTE: Miss OLIVE MEAD, first violin; Miss HELEN REYNOLDS, second violin; Miss GLADYS NORTH, viola; Miss LILLIAN LITTLEHALES, 'cello.

This concert was given in Association Hall on February 13.

A concert by the ADAMOWSKI TRIO: TIMOTHÉE ADAMOWSKI, violin; JOSEF ADAMOWSKI, 'cello; Mme. ANTOINETTE SZUMOWSKA, piano.

This concert was given in Association Hall on April 16.

III. CHORAL CONCERTS.

Nov. 21—The tenth annual concert by THE BROOKLYN ARION SINGING SOCIETY, ARTHUR CLAASSEN, Conductor (men's chorus, 120 voices; women's chorus, 100 voices), assisted by Miss LILLIAN C. FUNK, soprano; Miss KATHARINE LOERCH, contralto; OTTO L. FISCHER, piano; WILLIAM L. HAPPICH, violin; OTTO A. GRAEF at the organ.

This concert was given in the Baptist Temple.

Dec. 18—"The Messiah," Handel, was given by the BROOKLYN ORATORIO SOCIETY, WALTER HENRY HALL, Conductor; assisted by Miss MARIE STODDART, soprano; Miss EVA MYLOTT, contralto; DAN BEDDOE, tenor; HERBERT WITHERSPOON, bass; F. LAMOND, at the organ; and an orchestra of forty musicians, GUSTAV DANNREUTHER, Concert-meister.

This concert was given in the Baptist Temple.

May 14—A concert by the SWEDISH GLEE CLUB (twenty male voices), ARVID ÅKERLIND, Conductor. Mrs. MARIE SUNDELIUS, soprano, was the soloist. SETH ÅBERGH, accompanist.

This concert was given in Association Hall.

IV. VOCAL QUARTETTE CONCERT.

Jan. 30—A special concert was given in Association Hall by a quartette consisting of Mme. CORINNE RIDER-KELSEY, soprano; Miss JANET SPENCER, contralto; JOHN BARNES WELLS, tenor; FREDERICK MARTIN, barytone. ANDRÉ BENOIST, at the piano.

V. SONG RECITALS.

(In the Baptist Temple.)

Oct. 17—Mme. SCHUMANN-HEINK, soprano, with Mrs. ELIZABETH HOFFMAN, at the piano.

Nov. 14—Mme. MARCELLA SEMBRICH, with ISIDORE LUCKSTONE, at the piano.

Feb. 27—Mme. JOHANNA GADSKI, soprano, with FRANK LA FORGE, at the piano.

VI. ORGAN RECITALS.

A series of two recitals was given on the organ in Plymouth Church as follows:

Nov. 7—SCOTT WHEELER, organist of the church.

Dec. 11—SCOTT WHEELER.

VII. VIOLIN RECITALS.

(Baptist Temple.)

Nov. 27—FRITZ KREISLER. GEORGE FALKENSTEIN, at the piano.

Mar. 19—JAN KUBELIK, assisted by Mlle. BERTHE ROY, piano. LUDWIG SCHWAB, accompanist.

VIII. PIANO RECITALS.

Oct. 31—JOSEF HOFMANN, in the Baptist Temple.

Nov. 30—MARK HAMBOURG, in Association Hall, at 3 P. M.

Dec. 16—IGNACE JAN PADEREWSKI, in the Baptist Temple.

Apr. 23—IGNACE JAN PADEREWSKI, in the Baptist Temple.

A course of three piano recitals, by ARTHUR WHITING, of New York (with explanatory comments), illustrating the "Evolution of Pianoforte Music." Italian, German, French, Polish, Hungarian, English, Norwegian and Bohemian composers were represented in the programmes, which included music from the year 1538 to the present time. The harpsichord and pianoforte were used in the first two recitals. The clavichord, harpsichord and pianoforte were used in the third recital.

PROGRAMMES

Friday, May 8—HARPSICHORD: Sonata in C minor, Menuetto in G major, Sonata in F major and Pastorale in E minor, by D. SCARLATTI, 1683-1757, Italian; Sarabande and Gavotte, from English Suite in G minor, by J. S. BACH, 1685-1750, German; Alla Turca, from Sonata in A major, by MOZART, 1756-1791, German.

PIANOFORTE: Sonata in C sharp minor, Opus 27, No. 2, by BEETHOVEN, German; Ballade in G minor, Opus 118, Intermezzo in E flat major, Opus 117, Rhapsodie in G minor, Opus 79, and Scherzo in E flat minor, Opus 4, by BRAHMS, 1833-1897, German.

Friday, May 15—HARPSICHORD: Sarabande, by LULLY, 1633-1687; Rigaudon and Gigue en Rondeau, by RAMEAU, 1683-1764; Les Barricades Mystérieuses, Soeur Monique and Les Petits Moulin à Vent, by COUPERIN, 1668-1733, French; and Solfeggietto, by PHILIPP E. BACH, 1714-1788, German.

PIANOFORTE: Fantasia in C minor, by MOZART, 1756-1791, German; Étude in A flat major, Opus 25, Nocturne in C sharp minor, Opus 27, Mazurka in B flat major, Opus 7, and Scherzo and Marche Funèbre, from Sonata, Opus 35, by CHOPIN, 1809-1849, Polish.

Friday, May 22—HARPSICHORD: Air, with divisions, "Carman's Whistle," by BYRDE, 1536-1623; Courante, "Jewell," by BULL, 1563-1628; Minuet, PURCELL, 1658-1695, and air and variations, "The Harmonious Blacksmith," HANDEL, 1685-1759, English.

CLAVICHORD: Prelude in C major, by J. S. BACH, 1685-1750, German; La Tambourin, by RAMEAU, 1683-1764, French.

PIANOFORTE: Albumleaf, C sharp minor and Humoreske, "In the Mountains," by GRIEG, 1843-1908, Norwegian; Humoreske, Opus 101, No. 7, and Silhouette, Opus 8, No.

12, by DVORĀK, 1841-1904, Bohemian; *Thème Varié*, by CHAMINADE, 1860—, and *La soirée dans Grenade*, by DÉBUSSY, 1862—, French; *Mässig*, from *Phantasie*, Opus 17, by SCHUMANN, 1810-1856, German.

IX. PIANO AND VIOLIN RECITAL.

Apr. 30—JOSEF HOFMANN and FRITZ KREISLER. HAD-
DON SQUIRE, at the piano.

This concert was given in the Baptist Temple.

X. SONG AND VIOLIN RECITAL.

Oct. 24—DAVID BISPHAM, barytone, and Miss BESSIE
BELL COLLIER, violin. HAROLD O. SMITH and Miss GRACE
COLLIER, at the piano.

This concert was given in Association Hall.

XI. SONG AND 'CELLO RECITAL.

Dec. 30—FRANCIS ROGERS, barytone; Miss CECILIA WIN-
TER, contralto and ALBERT ROSENTHAL, 'cello. BRUNO
HUHN and NORMAN WINTER, at the piano.

This concert was given in Association Hall.

XII. HUMOROUS ENTERTAINMENTS.

(Association Hall.)

Mar. 30 and May 21—LESLIE HARRIS, in programmes
of humorous musical sketches.

XIII. LECTURE RECITALS

(In Association Hall, at 4 P. M.)

A series of five lecture recitals on the programmes of
the Philharmonic Concerts as rendered by the BOSTON
SYMPHONY ORCHESTRA on November 8, December 6, Janu-
ary 10, February 21, and March 20, respectively.

Wed., Nov. 6—DANIEL GREGORY MASON, of Columbia
University.

Wed., Dec. 4—WILLIAM J. HENDERSON, of the New York Sun. Miss EDITH MILLIGAN, at the piano.

Thurs., Jan. 9—LOUIS C. ELSON, of the Boston Advertiser. ALFRED DE VOTO, at the piano.

Thurs., Feb. 20—DANIEL GREGORY MASON, of Columbia University.

Thurs., Mar. 19—DANIEL GREGORY MASON, of Columbia University.

A course of six lecture-recitals, by DANIEL GREGORY MASON, lecturer in the Columbia University Extension Courses. General subject: "Classical Masters of Chamber Music." Friday evenings.

PROGRAMMES

Sept. 27—"Haydn and his Music," illustrated by "The Croatian Folk Songs," and by three movements from the "Surprise Symphony." Mr. MASON, at the piano.

Oct. 4—"Mozart and his Music," illustrated by his "First Compositions," and by the first movement and the minuet from his "Symphony in G Minor." Mr. MASON, at the piano.

Oct. 11—"Chamber Works of Haydn and Mozart," illustrated by Haydn's "Quartette in D major," Opus 76, No. 5, and by Mozart's Quartette in C major (Dissonanzen Quartette). The illustrations were played by the OLIVE MEAD STRING QUARTETTE.

Oct. 18—"Beethoven: his First Period," illustrated by selected movements from his first and second symphonies. Mr. MASON, at the piano.

Oct. 25—"Beethoven: his Second and Third Periods," illustrated by selected movements from the third ("Eroica") and fifth symphonies. Mr. MASON, at the piano.

Nov. 1—"A Chamber Work of Beethoven," illustrated by his "Quartette in E minor," Opus 59, No. 2, played by the DANNREUTHER STRING QUARTETTE.

A course of six lecture-recitals by Professor JOHN C. GRIGGS, Ph.D., of Vassar College. General subject: "Modern Song and Oratorio." Friday evenings.

PROGRAMMES

Nov. 15—"The Songs of Robert Franz," illustrated by Miss JESSIE L. GRIGGS, soprano, and Professor GRIGGS, barytone. CHARLES GILBERT SPROSS, at the piano.

Nov. 22—"The Songs of Eduard Grieg," illustrated by EDWARD STRONG, tenor, and Professor GRIGGS, barytone. CHARLES GILBERT SPROSS, at the piano.

Nov. 29—"Mendelssohn—Song and Oratorio," illustrated by Miss HAZEL MCKAY, mezzo-soprano, and Professor GRIGGS, barytone, and CHARLES GILBERT SPROSS, at the piano.

Dec. 13—"Edward Elgar—Modern Tendencies," illustrated by Miss HAZEL MCKAY, mezzo-soprano, Professor GRIGGS, barytone, and CHARLES GILBERT SPROSS, piano.

Dec. 20—"The Work of Edward A. MacDowell," illustrated by Professor GRIGGS, barytone, and CHARLES GILBERT SPROSS, piano.

Dec. 27—"Recital of American Songs," illustrated by Miss SUSAN L. GRIGGS, soprano, and Professor GRIGGS, barytone. CHARLES GILBERT SPROSS, at the piano.

Six lecture-recitals by Miss M. KATHERINE LOCKE, of Youngstown, Ohio. General subject: "Romanticism of the Nineteenth Century as told in Music." Friday afternoons.

Jan. 3—"Romanticism and its Relation to Classicism." FRANK WARNER, piano, assisting artist.

Jan. 10—"Trends—The Influences of the Arts upon Romanticism." Miss LAURA L. COMBS, soprano, and CHARLES GILBERT SPROSS, piano, assisting artists.

Jan. 17—"Romanticism in France—Chopin." Mme. AUGUSTA SCHNABEL-TOLLEFSEN, piano, assisting artist.

Jan. 24—"Romanticism in Germany—Schubert and Goethe." Miss LAURA L. COMBS, soprano, assisting artist. CHARLES GILBERT SPROSS, at the piano.

Jan. 31—"The Aftermath of Romanticism in Norway—Grieg and Ibsen." WILLIAM G. KING, violin, and Miss EDITH MILLIGAN, piano, assisting artists.

Feb. 7—"Edward A. MacDowell and the Aftermath of Romanticism." Miss LAURA L. COMBS, soprano, and Miss HELEN M. TREAT, piano, assisting artists.

A series of six lecture-recitals by Mr. CARL FIQUÉ, of Brooklyn. General subject: "Important Chapters from Musical History," illustrated by compositions played on the piano by Mr. FIQUÉ. Friday afternoons.

Feb. 14—"Die Meistersinger von Nürnberg," a musical and dramatic review.

Feb. 21—"The Music of Old Italy."

Feb. 28—"Eduard Grieg." In Memoriam.

Mar. 6—"The Barber of Bagdad."

Mar. 13—"Richard Strauss."

Mar. 20—"Frédéric Chopin."

XIV. Course of Instruction.

A course in Sight Singing (reading music at sight), WILBUR A. LUYSTER, Instructor, was given on successive Monday evenings, beginning October 14, and continuing until May 11. The meetings were held in Hart's Hall, Gates avenue and Broadway.

The method used was the Galin-Paris-Chevé.

The special committee having in charge the organization of sight singing classes comprised EDWARD M. BOWMAN, WILLIAM A. THAYER, JAMES H. DOWNS, EDMUND D. FISHER, Mrs. FRANK M. LUPTON and Miss ALICE M. JUDGE.

XV. The concerts given by the Department have served two purposes in music, (1) the presentation of the best musical compositions by the best musical talent, and (2) instruction concerning the aims and purposes for which different classes of music have been composed, and the means by which the composer has reached his results.

In order to meet the large expenses connected with the concerts, admission has been by reserved seat tickets. These were purchased by Members of the Institute at a low price. When all the seats were not taken by Members, non-Members were allowed to purchase them at the usual concert prices.

At the Philharmonic Concerts, Oratorio Concerts and Piano or Violin Recitals, given at the Baptist Temple, lower rates for reserved seats were secured than are offered for concerts of so high a grade of excellence elsewhere.

XVI. The LIBRARY of the Department of Music has received a most valuable donation from the BROOKLYN PHILHARMONIC SOCIETY, comprising six thousand six hundred and ten bound volumes of musical compositions in sets, for the use of choruses in rendering oratorios and other choral works. Other additions to the Library are needed, and especially in the direction of Orchestral and Oratorio Scores, that will enable the Institute to present to the public music of the highest standing.

The late JAMES A. H. BELL, Life Member of the Institute, presented his Library of Musical Compositions to the Institute in 1899. The Library contains a large number of works, and is accompanied by a complete catalogue.

XVII. The new Academy of Music Building in Lafayette Avenue, between Fulton Street and Flatbush Avenue, has been planned to accommodate the concerts and lecture recitals given by the Institute, and will be ready for use in October, 1908.

DEPARTMENT OF PAINTING

Officers for 1908-1909.

HON. FRANK SQUIER	<i>President</i>
FREDERICK J. BOSTON	<i>First Vice-President</i>
S. F. KNEELAND	<i>Second Vice-President</i>
Miss S. M. BARSTOW	<i>Secretary</i>

Executive Committee

HON. FRANK SQUIER	WALTER SHIRLAW
WEDWORTH WADSWORTH	JOSEPH H. BOSTON
FREDERICK J. BOSTON	Miss S. M. BARSTOW
STILLMAN F. KNEELAND	WILLIAM H. SNYDER
BENJAMIN EGGLESTON	HARRY ROSELAND

The Department of Painting was organized on May 26, 1890, with forty-four members. The present membership is two hundred sixty-seven.

The DEPARTMENT OF PAINTING is especially interested in providing the means for Art Instruction for students of merit, and to this end it has co-operated with the BROOKLYN ART ASSOCIATION in establishing and in maintaining the EVENING ART CLASSES.

The work of the Department has been as follows:

I. THE EVENING ART CLASS; JOSEPH H. BOSTON,
INSTRUCTOR

This class was conducted for the purpose of furnishing instruction in Drawing, Painting and Composition of a high and thorough character.

The Studio Work comprised Drawing from the Antique, and Drawing and Painting from Life. The class was conducted in accordance with the methods pursued by the best Art Schools in Europe, and by the Art Students' League in New York. The students worked five evenings each week, beginning October 1 and ending May 27.

Applicants to the Life and Painting Classes must submit drawings from cast or life. No examination is required for

admission to the Antique Class. Promotion from the Antique Class is made with the approval of the Instructor, and is based upon the individual merit of the student's work. Students may register at any time.

Students who do not pay for a year's instruction in advance are required to pay for as many Quarters as they are present. When a student enters more than one class a reduction is made in the tuition. Tuitions by the Quarter, are also payable strictly in advance.

For further information concerning the Art Classes, inquire of the Instructor at the School, or at the office of the Institute. See also Department of Fine Arts, X.

II. Three courses of lectures under the joint auspices of the Departments of Painting and Fine Arts, illustrated by lantern photographs.

A course by ROYAL CORTISSOZ. See Department of Fine Arts, IV.

A course by Miss HARRIETTE H. WINSLOW. See Department of Fine Arts, IV.

A course of four lectures by A. D. SAVAGE, Assistant Curator of Fine Arts, Institute Museum. General subject: "French Painting of the Nineteenth Century," illustrated by lantern photographs. Central Museum, Saturday afternoons.

Mar. 14—"Eighteenth Century Classicists."

Mar. 21—"David's School."

Mar. 28—"Realists and Naturalists."

Apr. 4—"Naturalists and Idealists."

III. A course of six lectures under the joint auspices of the Departments of Painting, Fine Arts and Photography, by Miss ANTONIE STOLLE, of Boston. General subject: "The Progress of Centuries in Art," illustrated by lantern photographs, colored as in the originals. The coloring was the work of Miss STOLLE. Tuesday afternoons.

Nov. 12—"Ford Madox Brown, William Holman Hunt, John Everett Millais, Gabriel Dante Rossetti, the Poet-Painter; the Founders of Pre-Raphaelite Brotherhood."

Nov. 19—"Edward Burne-Jones, the Great Pre-Raphaelite."

Nov. 26—"George Frederick Watts, the Intellectual Painter."

Dec. 3—"Puvis de Chevannes in Paris and in Boston."

Dec. 10—"Arnold Boecklin, the Great Modern German Colorist."

Dec. 17—"Art Treasures in Museums of the United States."

IV. The Collections of Paintings at the Museum Building are on exhibition in the galleries on the first and third floors, from 9 A. M. until 6 P. M. each week day, from 7.30 until 9.45 on Thursday evenings, and from 2 until 6 on Sunday afternoons. Admission to the galleries of paintings is free on all days except Mondays and Tuesdays, when the admission to the Museum is 25 cents for adults and 10 cents for children under sixteen years of age.

DEPARTMENT OF PEDAGOGY

Officers for 1908-1909.

Prin. WILLIAM L. FELTER, Ph.D., LL.D.	<i>President</i>
Miss SARAH E. SCOTT, M.A.	<i>First Vice-President</i>
Dist. Supt. JAMES M. EDSALL	<i>Second Vice-President</i>
Prin. HOMER C. BRISTOL, M.A.	<i>Secretary</i>

Executive Committee

Prin. WILLIAM L. FELTER, Ph.D., LL.D.,	<i>Chairman</i>
Prin. ALMON G. MERWIN, Pd.D.	WALTER B. GUNNISON, Ph.D.
Prin. CHAS. D. LARKINS, Ph.D.	Prin. WILLIAM J. O'LEARY
Assoc. Supt. EDWARD B. SHALLOW	Prin. FRANK A. WILLARD
Dist. Supt. JAMES J. McCABE	Prin. DEFOREST A. PRESTON
JAMES CRUIKSHANK, LL.D.	Dist. Supt. EVANGELINE E. WHIT-
Pres. CHAS. H. LEVERMORE, Ph.D.	NEY
Prin. CHARLES PERRINE	Dist. Supt. CHARLES W. LYON

Miss ALMEDA SPRAGUE	Prin. FLOYD R. SMITH
Miss EVA BUKER	Prin. FREDERIC L. LUQUEER, Ph.D.
Dist. Supt. GRACE C. STRACHAN	Prin. HOMER C. BRISTOL, M.A.
Prin. HARRIET L. BOGUE	Prin. SARAH E. SCOTT, M.A.
Dist. Supt. JAMES M. EDSALL	Prin. EMMA L. JOHNSTON, B.A.
Prof. JOHN MICKLEBOROUGH, Ph.D.	Prin. LEWIS H. TUTHILL
Prin. L. H. WHITE, Ph.D.	Prin. MARY J. C. O'NEIL
Prof. WALTER S. GOODNOUGH	Miss MARY MOLOW
Prin. THOS. O. BAKER, Ph.D.	Miss JESSIE H. BANCROFT
Prin. GEORGE M. DAVISON	Miss FANNIEBELLE CURTIS
Prof. FREDERICK W. OSBORN	

Committee on Library and Museum

JAMES CRUIKSHANK, LL.D., *Chairman*

Prin. ALMON G. MERWIN, Pd.D.	Prin. JOSEPH V. WITHERBEE
Miss MARIAN PYLES, B.A., M.D.	Miss SARAH E. SCOTT, M.A.
Mrs. S. SHEPPARD BRYAN	

General Committee on Art Education

ALLEN B. DOGGETT, *Chairman*

WALTER S. PERRY	Mrs. JULIA B. HALLOCK
FREDERICK J. BOSTON	Prin. WM. L. FELTER, Ph.D., LL.D.
VICTOR I. SHINN	Prof. WALTER S. GOODNOUGH
ARTHUR H. FLINT	SUSAN M. ORR
Prof. WILLIAM H. GOODYEAR, M.A.	DORA M. NORTON
Miss EMMA L. JONES	MARY E. STOCKING
Miss IDA E. BOYD	JOSEPH H. BOSTON
FREDERICK HOLLAND	EDWARD N. RESER

Miss KATE C. SIMMONS

Committee on Kindergarten

Miss FANNIEBELLE CURTIS, *Chairman*

FRANK L. BABBOTT	Miss EMMA L. JOHNSTON, B.A.
Miss FANNIE S. COMINGS	Miss ANNA E. HARVEY
Miss LILLIAN W. HARRIS	FREDERIC B. PRATT
Mrs. JOHN S. MCKAY	Miss M. A. MASON
Prin. RUTH E. GRANGER	

Committee on Physical Culture

Miss ADA M. MOSELEY, *Chairman*

Miss JESSIE H. BANCROFT	Miss CORA B. CLARK
H. S. PETTIT, M.D.	Miss MARTHA S. GARSIDE
Miss CAROLINE M. WALLOSTON	Miss EMILY C. MANGAM
Miss FRANCES H. FLAGLER	

The Department of Pedagogy was organized on February 26, 1892, with a membership of one hundred fifty-eight. Its present membership is seven hundred twenty-two.

The purpose of the Department, as expressed in its Constitution, is "to promote knowledge of the science and the art of education." The work of the Department comprises:

1. Addresses on educational questions of large and general import.
2. General courses of lectures on subjects in the curricula of studies and on the methods of teaching.
3. Systematic courses of instruction, with directions for reading and study.
4. Conferences and object lessons in teaching.
5. The establishment of a Library of Pedagogy.
6. The Formation of a Pedagogical Museum as a part of the Museum of Arts and Sciences.

The work as above designated is conducted by the Executive Board and by the following Standing Committees:

1. Committee on Library and Museum.
2. Committee on Educational Psychology.
3. Committee on Art Education.
4. Committee on Kindergarten.
5. Committee on Physical Culture.
6. Committee on THE SCHOOL OF PEDAGOGY.

Each committee has regularly appointed meetings for the consideration of matters pertaining to its own individual work, and members are cordially invited to become active members of such committees as they may elect.

The work of the Department has been as follows:

- I. The DECENNIAL of the School of Pedagogy.

The Institute celebrated the Tenth Anniversary of the founding of the School of Pedagogy on Tuesday evening,

October 8, in Association Hall. WILLIAM H. MAXWELL, Ph.D., LL.D., Superintendent of Public Instruction in New York City, delivered an address on "Freedom under the Law in Education."

II. Two lectures under the joint auspices of the Departments of Pedagogy and Political Science.

Nov. 25—Reverend EDWARD EVERETT HALE, D.D., LL.D., Chaplain of the United States Senate. Subject: "Lift Where You Stand." Monday evening, in Historical Hall.

Dec. 6—President SIMEON D. FESS, LL.D., of Antioch College. Subject: "Horace Mann." Friday evening.

III. A lecture under the joint auspices of the Departments of Pedagogy and Mathematics, by Professor THOMAS M. BALLIET. See Department of Mathematics, II.

IV. THE KINDERGARTEN SECTION

The Sixth Annual Convention of Mothers' Clubs was held at Association Hall, on Thursday afternoon, March 26, at half after three o'clock. Miss ANNA E. HARVEY, of Adelphi College, presided. The programme consisted of an address by Mrs. FLORENCE KELLY, Secretary of the Consumers' League of New York, on "Some Aspects of Child Labor;" an address by Miss ANNA WILLIAMS, Supervisor of Kindergartens, Philadelphia, on "Co-operation of Parents and Teachers," and music by students of the Normal Kindergarten Class of Adelphi College.

The convention was so largely attended that an overflow meeting was held in the Large Lecture Room. At this meeting Mrs. CLARENCE C. MELENEY and Miss C. GERALDINE O'GRADY presided and made short addresses. The speakers at the large conference also made addresses at the overflow meeting, and the students who furnished the music repeated their songs.

V. SECTION ON ART EDUCATION

Special courses of instruction in "Applied Design."

A course in "Arts and Crafts," conducted by Miss EVALYN M. GRISWOLD. Wednesday afternoons, 3 to 5 o'clock, beginning October 16.

A course in "Weaving," conducted by Miss EVALYN M. GRISWOLD. Thursday afternoons, 3 to 5 o'clock, beginning October 17.

Each of these courses of instruction is quite fully described under the Department of Fine Arts, page 56 of the Prospectus for 1907-1908.

VI. SECTION IN PHYSICAL CULTURE

Special courses of instruction in "Physical Culture" were given by Miss EMILY C. MANGAM, Director of Physical Training at the Berkeley Institute, Brooklyn.

There were three classes under the auspices of the Brooklyn Institute—a class for girls, an afternoon class for women, and an evening class for business women.

VII. PEDAGOGICAL LIBRARY AND MUSEUM

The Section on Pedagogical Library and Museum, Principal JAMES CRUIKSHANK, LL.D., Chairman, has collected, classified and arranged for permanent preservation many school and college text-books, pieces of apparatus, and other educational appliances both current and such as are no longer in use—the latter especially as an historical record of educational progress. School reports, journals, published addresses and essays, catalogues and courses of study have places in the collection.

THE SCHOOL OF PEDAGOGY

During the school year of 1897-1898 the Institute was in the receipt of a large number of inquiries, by letter and in person, from teachers in Brooklyn who sought thorough, systematic and high-grade work in the Principles of Education, the History of Education, Psychology as Applied to Teaching, School Management and Discipline, the Elements of Psychology, English Literature, and other subjects, a fuller knowledge of which would be helpful to them in their school work and in enabling them to secure advancement in the grade of their work. These inquiries were followed by a communication, signed by many teachers, petitioning the Institute to establish such Courses of Instruction as are mentioned above.

The several communications were referred to the Departments of Pedagogy and Psychology, by the authority of which a joint committee was appointed to prepare a plan for the establishment of a School of Pedagogy. This Committee consisted of Principal ALMON G. MERWIN, Pd.D., Chairman; Principal WILLIAM L. FELTER, Ph.D., LL.D., Associate Superintendent CLARENCE E. MELENEY, Associate Superintendent EDGAR DUBS SHIMER, Ph.D., Associate Superintendent JAMES M. EDSALL, Professor FREDERICK W. OSBORN, M.A., Professor WALTER L. HERVEY, Ph.D., Miss SARAH E. SCOTT, Miss EMMA L. JOHNSTON, Principals L. H. WHITE, Ph.D., WILLIAM L. SPRAGUE and WILLIAM MCANDREW. The Committee had many meetings, obtained courses of study from the better Schools of Pedagogy in the country, conferred with President SETH LOW, LL.D., of Columbia University, and Professor JAMES E. RUSSELL, Ph.D., Dean, and members of the Faculty of Teachers College of Columbia University; with Professor EDWARD R. SHAW, Ph.D., and Professor EDWARD F. BUCHNER, Ph.D., of the School of Pedagogy of New York Uni-

versity; with EDWARD G. WARD, then Superintendent of the Brooklyn Schools, and with Superintendent WILLIAM H. MAXWELL, Ph.D., of the New York City Schools.

The plan prepared was afterwards approved by the Departments of Pedagogy and Psychology, and by the Governing Boards of the Institute, Columbia University and the University of New York, respectively. The courses of instruction were given in Brooklyn with the co-operation of Teachers College of Columbia University and the School of Pedagogy of New York University.

Six Courses of Instruction were conducted during the year 1898-1899, twelve Courses in 1899-1900, fourteen Courses in 1900-1901, fourteen in 1901-1902, fifteen in 1902-1903, fifteen in 1903-1904, sixteen in 1904-1905, and thirteen in 1905-1906. The number of persons registered in the thirteen classes during the ninth or last year was 224, or an average of 17 in a class.

The Classes in the School of Pedagogy meet in the Art Building, 174 Montague Street. The class rooms are provided with chairs, each having a book-rest suitable for use in taking notes.

COMMITTEE IN CHARGE OF THE SCHOOL OF PEDAGOGY

ALMON G. MERWIN, Pd.D., *Chairman*

Dist. Supt. JAMES M. EDSALL	Prin. CHARLES D. RAINE, M.A.
Prin. WILLIAM L. FELTER, Ph.D., LL.D.	Asso. Supt. CLARENCE E. MELENEY
Prin. EMMA L. JOHNSTON, B.A.	Prin. MARY J. C. O'NEIL
Prin. LEWIS H. TUTHILL, M.A.	Miss SARAH E. SCOTT, M.A.
Prin. ARTHUR C. PERRY, Jr.	Prin. WILLIAM L. SPRAGUE, M.A.
Prin. DEFOREST A. PRESTON	Prin. LASALLE H. WHITE, Ph.D.
Dist. Supt. JAMES J. MCCABE	Prin. FREDERIC L. LUQUEER, Ph.D.
Miss EVA F. BUKER	Prin. WILLIS D. HUNTLEY
Prof. FRED'K W. OSBORN, M.A.	Miss MARGARET SWEENEY, M.A.
Prin. THOMAS O. BAKER, B.A.	Prin. HOMER C. BRISTOL, M.A.
Prin. JAMES SULLIVAN, Ph.D.	STUART H. ROWE, Ph.D.
Prin. RUTH E. GRANGER	Prin. CHARLES PERRINE, B.A.
	Prin. GEORGE M. DAVISON, B.A.
	Prin. HARRIET L. BOGUE

COURSES OF INSTRUCTION.

In Co-operation with

TEACHERS COLLEGE, COLUMBIA UNIVERSITY.

I. "The History and Principles of Education." Lectures, required readings, reports and discussions. Professor HENRY SUZZALLO, Ph.D., of Teachers College, Columbia University. One hour a week for thirty weeks. Mondays, at 8 P. M., beginning October 10.

II. "Theory and Practice of Teaching in Elementary Schools." Lectures, discussions and required reading. PERCIVAL R. COLE, Ph.D., of Teachers College, Columbia University. One hour a week for thirty weeks. Thursdays, at 8 P. M., beginning October 7.

III. "Educational Psychology." Lectures, discussions and required reading. Professor GEORGE H. BETTS, M.A., of Teachers College, Columbia University. One hour a week for thirty weeks. Thursdays, at 4.15 P. M., beginning October 10.

IV. "English Composition." Lectures, discussions and practice. CHARLES GALWEY, B.A., of Teachers College, Columbia University. Thirty sessions of one hour each. Saturdays, at 10 A. M., beginning October 12.

V. "English Literature of the Nineteenth Century." Lectures and readings, illustrated by lantern photographs. Professor FREDERICK H. SYKES, Ph.D., of Teachers College, Columbia University. Thirty sessions of one and one-half hours each. Wednesdays, at 4 P. M., beginning October 9.

VI. "Old Testament Literature and History." Lectures, readings, conferences, reference and written work. RICH-

ARD M. HODGE, M.A., D.D., Lecturer at Columbia University. Thirty sessions of one hour each. Mondays, at 8 P. M., beginning October 7.

ADDITIONAL COURSES IN THE SCHOOL OF PEDAGOGY

The Department of Education of the City of New York gives credit to those who successfully pursue any one of the courses in the School of Pedagogy of the Institute, subject to the rules and regulations laid down by that Department of the City Government.

VII. "A Course in Oral English." Class in individual instruction. HENRY GAINES HAWN, President of the National Association of Elocutionists. Thirty sessions of one hour each. Tuesdays, at 8 P. M., beginning October 8.

VIII. "English Composition and Rhetoric." Lectures, conferences, written and reference work. Mrs. ELIZABETH H. SPALDING, of the Pratt Institute. Twenty sessions of one and one-half hours each. Thursdays, at 8 P. M., beginning October 10.

IX. "The Life Messages of Robert Browning." A Study in Literature and Philosophy. LESLIE WILLIS SPRAGUE, B.D., of the Ethical Culture Societies of Brooklyn and of New York. Twenty sessions of one and one-half hours each, and ten sessions of one hour each. Fridays, at 4.15 P. M., beginning October 11.

X. "Art Appreciation." DANIEL A. HUEBSCH, Ph.D., of Montclair, New Jersey. Twenty sessions of one and one-half hours each. Thursdays, at 4.15 P. M., beginning October 10.

XI. "American Political History to 1830." Lectures, reference readings, conferences. J. HERBERT LOW, M.A.,

of the Manual Training High School, Brooklyn. Twenty-one sessions of one and one-half hours each. Fridays, at 8 P. M., beginning October 11.

GENERAL INFORMATION CONCERNING THE SCHOOL OF PEDAGOGY

Course I. was accepted by the Department of Education of the City of New York as falling under "The Principles and Methods of Teaching," or as strictly Pedagogical or Professional Courses. The remaining courses were accepted by that Department of the City Government as falling under the category of "Literature, Art or Science," and credit for these courses was given by the Department of Education according to the rules of the Department.

Persons desiring to register for any Course of Instruction may do so at the office of the Institute, Academy of Music, Lafayette Avenue, between Flatbush Avenue and Fulton Street, after September 13.

Certificates of attendance are issued to all persons who pursue courses of study in the School of Pedagogy.

Certificates are issued by the Institute to all persons who fulfill the requirements for admission to a course of study, who have an attendance of 90 per cent., and who complete the work of a course in a manner satisfactory to the Instructor.

Tuition fees must be paid in advance. For members of the Institute there is a reduction of \$2.00 in the amount of the fee for each thirty hours of instruction.

For blank forms of certificates of admission to classes in the School of Pedagogy, or for further information, apply to Professor FRANKLIN W. HOOPER, M.A., at the Institute office, Academy of Music, Lafayette Avenue, between Flatbush Avenue and Fulton Street, between 9 A. M. and 12 M., or between 2 and 6 P. M.

The Courses of Instruction in the Summer School at the BIOLOGICAL LABORATORY, Cold Spring Harbor, enumerated in the latter part of this Year Book, are established primarily for the benefit of teachers. Those in attendance for six weeks, and whose work is satisfactory to the Instructor, receive certificates of attendance and scholarship. See page 244.

DEPARTMENT OF PHILOLOGY.

Officers for 1908-1909

Prof. J. W. ABERNETHY, Ph.D.	<i>President</i>
Prof. EDWIN A. GREENLAW, Ph.D.	<i>Vice-President</i>
Prof. R. J. H. GOTTHEIL, Ph.D.	<i>Corresponding Sec'y</i>
Miss EMILY G. BRIDGHAM	<i>Recording Secretary</i>

Executive Committee

Prof. J. W. ABERNETHY, Ph.D.	Prof. R. J. H. GOTTHEIL, Ph.D.
Prof. FRANK W. CHANDLER, Ph.D.	EDWARD S. HAWES, Ph.D.
Prin. WALTER B. GUNNISON, Ph.D.	Miss EMILY G. BRIDGHAM
Prof. VIOLETTE E. SCHARFF, Ph.D.	Prof. WILLIAM CRANSTON LAWTON
Prof. EDWARD HOWARD GRIGGS, M.A., L.H.D.	Prof. EDWIN A. GREENLAW
	Prof. JOHN F. COAR, Ph.D.

Committee on English Language

Prof. EDWIN A. GREENLAW, Ph.D.	C. R. GASTON
WILLIS BOUGHTON, Ph.D.	Miss EMILY G. BRIDGHAM
JAMES CRUIKSHANK, LL.D.	

Committee on English Literature

Pres. EDWIN J. GOODWIN, Ph.D.	Prof. J. W. ABERNETHY, Ph.D.
WILLIAM E. GOLDEN, B.A.	Miss SUSANNE E. THROOP, B.A.
Miss CHRISTINE ROUNDS	FRANK WADLEIGH CHANDLER, Ph.D.
	Miss MARY PLUMMER

Committee on French Language and Literature

Prof. VIOLETTE E. SCHARFF, Ph.D.	Miss MARIE L. FRIEBUS
Miss LOUISE GUEBIN, B.A.	Miss ALICE HIGGINS
Miss ERNESTINE CAPPELLE	Miss LOUISE BOTH-HENDRIKSEN

Committee on German Language and Literature
(See German Section)

Committee on Oriental Languages and Literatures

Prof. R. J. H. GOTTHEIL, Ph.D.	Rev. L. MASON CLARKE, D.D.
Rev. ALBERT J. LYMAN, D.D.	Prof. A. V. W. JACKSON, Ph.D.
SWAMI ABHEDANANDA, Ph.D.	Rabbi MARTIN A. MEYER, Ph.D.

The Department of Philology was organized on January 14, 1891, with ninety-two members. The present membership is one thousand four hundred twenty-four. The work of the Department has been conducted by the various standing committees of the organization, under the direction of the Executive Committee. The meetings and lectures of the Department during the year are classified under the following sections:

- (a) English Language and Literature.
- (b) German Language and Literature.
- (c) French Language and Literature.
- (d) Greek and Latin Languages and Literatures.
- (e) Oriental Languages and Literatures.

(a) ENGLISH LANGUAGE AND LITERATURE

LECTURES

I. A course of six lectures by LOUIS K. ANSPACHER, LL.B., of New York, on "Henrik Ibsen." Thursday afternoons.

Oct. 3—"Ibsen, the Play Builder."

Oct. 10—"Ibsen, the Poet; Brand, Peer Gynt."

Oct. 17—"The Dramas of Social Revolt; the Young Men's League, The Pillars of Society, An Enemy of the People."

Oct. 24—"The Dramas of Moral Revolt; A Doll's House, Ghosts, Hedda Gabler."

Oct. 31—"Ibsen's Women."

Nov. 7—"Ibsen the Individualist and Idealist."

II. A series of three lectures by HAMLIN GARLAND, of Chicago. General subject: "Edwin Booth and His Interpretation of Shakespeare."

Nov. 11—"Edwin Booth as Iago."

Nov. 18—"Edwin Booth as Hamlet."

Nov. 25—"Edwin Booth as Macbeth."

III. A course of six lectures by Professor GEORGE E. WOODBERRY, LL.D., of Boston. Subject: "Studies in Literature." Tuesday evenings.

Nov. 12—"Marlowe."

Nov. 19—"Camoens."

Nov. 26—"Byron."

Dec. 3—"Gray."

Dec. 10—"Tasso."

Dec. 21—(Saturday afternoon) "Lucretius."

IV. A course of four lectures by Professor RICHARD BURTON, Ph.D., of the University of Minnesota. Subject: "George Eliot." Friday evenings.

Jan. 3—"The Woman and her Life."

Jan. 10—"The Woman in her Work."

Jan. 17—"The Artist at her Best."

Jan. 31—"The Thinker versus the Artist."

Jan. 31—"Traits of her Fiction."

V. A series of six lectures by the Reverend SAMUEL M. CROTHERS, D.D., of Cambridge, Massachusetts. Subject: "Some Books of the Prophets of the Soul." Tuesday evenings.

Jan. 7—"The Wisdom Literature of Israel."

Jan. 14—"The Meditations of Marcus Aurelius."

Jan. 21—"The Imitation of Christ."

Jan. 28—"Milton, the Prophet of Freedom."

Feb. 4—"Bunyan's 'Pilgrim's Progress.'"

Feb. 11—"Browning's 'Saul.'"

VI. A course of six lectures by JOHN COWPER POWYS, M.A., of Oxford University, England. Subject: "Shakespeare's Comedies and Romances." Wednesday afternoons.

Feb. 19—"Midsummer Night's Dream."

Feb. 26—"As You Like It."

Mar. 4—"The Merchant of Venice."

Mar. 11—"The Winter's Tale."

Mar. 18—"Cymbeline."

Mar. 25—"The Tempest."

VII. A series of six lectures by Miss MARY E. KNOWLTON, M.A., of Brooklyn. Subject: "Types of Womanhood in Literature." Thursday afternoons.

Feb. 27—"The Iliad; Helen."

Mar. 5—"The Ramayana; Sita."

Mar. 12—"The Divine Comedy; Beatrice."

Mar. 19—"The Volsunga Saga; Brynhild."

Mar. 26—"The Women of Shakespeare."

Mar. 30—(Monday afternoon) "The Women of Tennyson and Browning."

VIII. Two single lectures.

Feb. 11—LOUIS K. ANSPACHER, LL.B. See Jamaica Branch, IV.

May 4—AUSTIN BAXTER KEEP, M.A., of New York. Subject: "The Library in Colonial New York," illustrated by lantern photographs. Monday evening.

LECTURE READINGS

IX. A series of six lecture-readings by Miss JANE E. HERENDEN, of New York. General subject: "Studies of Life Illustrated in Literature." Friday afternoons.

Oct. 4—"Love and Lovers."

Oct. 11—"Spinsters and Bachelors."

Oct. 18—"The Child Nature."

Oct. 25—"The Problem of Increasing Years."

Nov. 1—"Greeds" (Social, Intellectual, Affectional and Religious).

X. A special reading by Mrs. HUMPHRY WARD, on "The Peasant in Literature and the Novel." Tuesday evening, April 7.

READINGS

XI. Two matinee readings from standard authors by Miss GRACE DELLE DAVIS, of Middletown, New York. Monday afternoons.

Dec. 23—"The Ring and the Book." BROWNING.

Dec. 30—"Peer Gynt" and other IBSEN plays.

AUTHOR'S READINGS

XII. Nov. 16—IRVING BACHELLER and CHARLES BATTALL LOOMIS. Saturday evening, in Association Hall.

XIII. A series of three readings by HAMLIN GARLAND, of Chicago. Monday afternoons at the Art Gallery.

Dec. 2—"Prairie Song and Western Story."

Dec. 9—"The Red Pioneer."

Dec. 16—"The Joys of the Frontier Life."

XIV. Dec. 14—F. HOPKINSON SMITH, L.H.D., of New York. Saturday evening in Association Hall.

DRAMATIC READINGS

XV. Six readings by Mrs. BERTHA KUNZ BAKER, of New York. General subject: "Voices from the Hills of Joy." Monday afternoons at the Art Gallery.

Sept. 30—"Rudyard Kipling."

Oct. 7—"Robert Louis Stevenson."

Oct. 14—"James Russell Lowell."

Oct. 21—"Ralph Waldo Emerson."

Oct. 28—"Sidney Lanier."

Nov. 4—"Robert Browning."

XVI. Two readings by GEORGE RIDDLE, of Boston. Saturday evenings, in Association Hall.

Nov. 23—"Midsummer Night's Dream," illustrated by MENDELSSOHN's Music, rendered by an orchestra and a women's chorus under the direction of ARTHUR CLAASSEN, assisted by Miss LILLIAN FUNK and Miss LOUISE SCHIPPERS, sopranos.

Dec. 7—Goethe's "Faust," illustrated by music rendered by the ARION MALE CHORUS and an orchestra under the direction of ARTHUR CLAASSEN.

XVII. Reading by LELAND POWERS, of Boston, on Saturday evening, November 30, in Association Hall. Subject: Shakespere's "Twelfth Night."

XVIII. Two readings by Miss RETTA STECK, of Shammokin. Thursday afternoons.

Dec. 26—Miscellaneous programme.

Jan. 2—JUSTIN MCCARTHY's "If I were King."

XIX. Reading by JOHN D. BARRY, on Saturday evening, April 25, in Association Hall. Subject: "Nero," a play by Stephen Phillips.

XX. Reading by CHARLES JAMES and four readings by Mrs. BERTHA KUNZ BAKER. See Jamaica Branch, IV.

Lectures under the joint auspices of the Department of Philology and other Departments.

XXI. Two courses of lectures under the joint auspices of the Departments of Philology and Philosophy.

Professor EDWARD HOWARD GRIGGS, M.A., L.H.D. Six lectures on "Dante's Divine Comedy." Monday evenings.

Sept. 30—"The Medieval World and the Life of Dante."

Oct. 7—"The Problem of the Divine Comedy."

Oct. 14—"The Inferno."

Oct. 21—"The Purgatorio."

Oct. 28—"Two Types of Paradise."

Nov. 4—"The Paradiso and the Beatific Vision."

Professor EDWARD HOWARD GRIGGS, M.A., L.H.D. Ten lectures on "Great Autobiographies: Types and Problems in Manhood and Womanhood." Monday evenings.

Jan. 20—"The Use of Autobiography in the Study of Personal Life."

Jan. 27—"John Stuart Mill: An Admirable Education and the Recovery from it."

Feb. 3—"Pierre Loti; the Sensitive Dreamer as Child and Man."

Feb. 10—"Benvenuto Cellini: The Artist in the Florentine Renaissance."

Feb. 17—"George John Romanes: The Religious Problem."

Feb. 24—"Eugénie de Guérin: The Woman of the Old Régime."

Mar. 2—"Marie Bashkirtseff: The Unfulfilled Life of a Woman Genius."

Mar. 9—"Sonya Kovalevsky: The Conflict between Love and Ambition."

Mar. 16—"Amiel: A Modern Hamlet in Personal Life."

Mar. 23—"Goethe: The Great Aspects of Personal Life in Balanced Relation and Large Fulfillment."

XXII. Three courses of lectures under the joint auspices of the Departments of Philology and Political Science.

CHARLES JOHNSTON (University of Dublin), of Columbia University. See Department of Political Science, IX.

ARTHUR DOUGHERTY REES, M.A., of Philadelphia. Six lectures on "England in the Nineteenth Century." Tuesday afternoons.

Feb. 18—"Robert Owen and the Influence of the French Revolution in England."

Feb. 25—"Chartism, Mid-Century Revolution."

Mar. 3—"Shelley, Poet as Social Reformer; his Place and Time."

Mar. 10—"Relation of Literature and Art to the Social Problems; Minor Movements."

Mar. 17—"William Morris, Revolt of Art and its Success."

Mar. 24—"Present Tendencies in England."

LEON H. VINCENT, M.A., of Boston. Six lectures on "Great Historical Novels as Social and Political Forces." Tuesday evenings.

Feb. 18—"Scott; 'Kenilworth' and 'Woodstock.'"

Feb. 25—"Bulwer-Lytton; 'Harold' and the 'Last of the Barons.'"

Mar. 3—"Dickens; 'A Tale of Two Cities' and 'Barnaby Rudge.'"

Mar. 10—"Thackeray; 'Esmond' and 'The Virginians.'"

Mar. 17—"Kingsley; 'Hereward the Wake' and 'Westward Ho!'"

Mar. 24—"George Eliot; 'Romola' and 'Felix Holt, the Radical.'"

XXIII. A course of lectures under the joint auspices of the Departments of Philology, Fine Arts and Geography, by Professor WALTER S. PERRY, M.A. See Department of Fine Arts, VI.

(b) GERMAN LANGUAGE AND LITERATURE

Members of the Institute interested in the organization of a German Section were invited to meet at the Art Building on the evening of November 25; a subsequent meeting was held on December 16, at which the following officers were elected:

Prof. JOHN F. COAR, Ph.D.	<i>President</i>
Hon. CHARLES A. SCHIEREN	<i>First Vice-President</i>
Mrs. OTTO GOEPEL	<i>Second Vice-President</i>
Miss KATHERINE S. DREIER	<i>Third Vice-President</i>
ROBERT B. MARVIN	<i>Secretary</i>

Executive Committee

(Consisting of the Officers, Chairmen of the three Standing Committees, and two elected members.)

Prof. JOHN F. COAR, Ph.D.	F. W. WUNDERLICH, M.D.
Hon. CHARLES A. SCHIEREN	CARL FIQUÉ
Mrs. OTTO GOEPEL	Rev. JACOB LOCH, D.D.
Miss KATHERINE S. DREIER	ARTHUR CLAASSEN
FRANCIS H. STUART, M.D.	ROBERT B. MARVIN

Committee on Lectures

	FRANCIS H. STUART, M.D., <i>Chairman</i>
Mrs. ROSALIE O. BERKEFELD	Prof. HENRY E. NORTHROP, Ph.D.
ROBERT B. MARVIN	Miss LOUISE M. HEUERMANN

Committee on Drama

	F. W. WUNDERLICH, M.D., <i>Chairman</i>
Mrs. F. W. HINRICHS	Mrs. PAUL LICHTENSTEIN
GUSTAV HEUBACH	Mrs. F. H. DEWEY.

Committee on Music

	CARL FIQUÉ, <i>Chairman</i>
ALEXANDER RIHM	PAUL LICHTENSTEIN
OSWALD JOERG, M.D.	Miss ADA PALMEDO

The Constitution of the Section states that the purposes of the Section shall be to provide facilities for the study and the enjoyment of the German Language and Literature through courses of instruction, series of lectures and addresses, the presentation of German plays, folk songs and operas, and in such other ways as may be found practicable from time to time.

Under the auspices of the German Section of the Department of Philology the following lectures were given:

XXIV. A course of five lectures under the joint auspices of the Departments of Philology and Philosophy, by Professor OTTO PFLEIDERER, Ph.D. See Department of Philosophy, III.

XXV. A series of interpretative readings of GOETHE'S "Faust," by Professor JOHN FIRMAN COAR, Ph.D., of Adelphi College. Tuesday and Friday afternoons, beginning October 29. The course was divided into two terms, and continued until the first week in May. The tuition fee for Members of the Institute was ten dollars for each term.

XXVI. Three reading circles for reading and discussing German dramas directed by Miss ADA PALMEDO. Thursday afternoons, at Packer Institute. First circle, ten afternoons, beginning November 7. Second circle, ten afternoons, beginning February 6. Third circle, five afternoons, beginning April 16.

(c) FRENCH LANGUAGE AND LITERATURE

XXVII. A series of eleven lectures given in the French language under the joint auspices of the French Section and L'Alliance Française. Tuesday evenings.

Oct. 22—Professor ROSSIER, of Lausanne, Switzerland. Subject: "Dans la Vieille Suisse; Moeurs et Croyances de la Montagne."

Nov. 12—Professor L. A. LOISEAUX, B.Sc., of Columbia University. Subject: "Quelques Coins du Vieux Paris," illustrated by colored lantern photographs made by Professor LOISEAUX.

Nov. 26—Professor J. B. ZACHARIE, of Portland, Maine. Subject: "Guy de Maupassant, Roi-Martyr du Réalisme."

Dec. 10—Professor LOUIS A. ROUX, B.A., of the New-ark Academy. Subject: "Le Contes des Daudet," illustrated by readings.

Jan. 7.—Professor LOUIS DELAMARRE, Ph.D., of the College of the City of New York. Subject: "Edmond Rostand, dramaturge."

Jan. 21—Professor LOUIS DELAMARRE. Subject: "André Theuriet, Romancier."

Feb. 4.—Professor L. A. LOISEAUX, B.Sc., of Columbia University. Subject: "La Ville du Grand Roi: Versailles." Illustrated by lantern photographs taken and colored by Professor LOISEAUX.

Feb. 18—M. RENÉ SAMSON, of the Polytechnic Institute. Subject: "Un Voyage à pied en Anjou, au Poitou et en Touraine."

Mar. 3—A song recital in French by Mrs. ROLLIE BORDEN-LOW, in appropriate costume. The "Causerie" was read by Mlle. VIOLETTE E. SCHARFF, Ph.D. The accompanist was M. ALBERT G. CRAWFORD.

Mar. 17—Professor FELIX WEILL, M.A., of the College of the City of New York. Subject: "Les Couliesses du Théâtre au XVII^{ème} Siècle."

Mar. 31—Professor FELIX WEILL, M.A. Subject: "Octave Mirbeau, auteur dramatique."

(d) LATIN LANGUAGES AND LITERATURE

XXVIII. A course of six lectures by Professor MORRIS H. MORGAN, Ph.D., LL.D., of Harvard University. General subject: "The Private Life of the Ancient Romans," illustrated by lantern photographs. Tuesday afternoons.

Mar. 31—"Aspects of an Ancient City and its People: Childhood."

Apr. 7—"Education: Marriage, Divorce."

Apr. 14—"The House and its Decoration."

Apr. 21—"Daily Life: Dress, Meals."

Apr. 23—(Thursday.) "Daily Life, continued: Religion."

Apr. 28—"Religion, continued: Death and Burial."

(e) ORIENTAL LANGUAGES AND LITERATURE

XXIX. A course of six lectures under the joint auspices of the Oriental Section and the Department of Philosophy, by SWAMI ABHEDANANDA, Ph.D., of New York. General subject: "Religious Ideals in India." Wednesday afternoons.

Nov. 13—"The Ethics of Hinduism and Buddhism."

Nov. 20—"The Fatherhood and Motherhood of God."

Nov. 27—"The Incarnation of God."

Dec. 4—"The Doctrine of Karma."

Dec. 11—"Resurrection and Reincarnation."

Dec. 18—"The Immortality of the Soul."

XXX. Two courses of lectures under the joint auspices of the Oriental Section of the Department of Philology and the Department of Political Science.

VAHAN CARDASHIAN, M.A., of Armenia. General subject: "Mohammed, the Turk and the Armenian."

Apr. 1—"Mohammedanism and its Influences upon Modern Civilization."

Apr. 8—"The Ottoman Empire and its Relation to Europe."

Apr. 15—"The Turks and Turkey," illustrated by lantern photographs.

Apr. 22—"Hamid II and his Government," illustrated by lantern photographs.

Apr. 29—"Armenia and the Armenians," illustrated by lantern photographs.

May 6—"The Armenian Question."

After the close of the sixth lecture Mr. CARDASHIAN showed upon the screen quite a large number of pictures in review of his course of lectures. Only a few of these pictures had been shown during the course.

Professor GABRIEL OUSSANI, Ph.B., S.T.B., of St. Joseph's Seminary, Yonkers, formerly of Persia. General subject: "Assyria and the Code of Hammurabi," illustrated by plain and colored lantern photographs.

Apr. 2—"Assyria and her Present Peoples."

Apr. 9—"Excavations in Assyria."

Apr. 16—"Temples, Monuments, Libraries, etc., Discovered."

Apr. 30—"Influence of Discoveries on our Knowledge of Mankind and of the Old Testament."

May 7—"The Code of Hammurabi."

May 14—"The Code of Hammurabi" (continued).

XXXI. A special course of Instruction under the joint auspices of the Departments of Philology and Pedagogy. See School of Pedagogy, VI.

DEPARTMENT OF PHILOSOPHY

Officers for 1908-1909

Prof. EDWARD HOWARD GRIGGS, M.A., L.H.D. *President*

Prof. FREDERICK W. OSBORN, M.A. *Vice-President*

DANIEL A. HUEBSCH, Ph.D. *Secretary*

Executive Committee

Prof. EDWARD H. GRIGGS, M.A. Rev. L. MASON CLARKE, D.D.

Rev. ALBERT J. LYMAN, D.D. Rev. JOHN HOWARD MELISH

Prof. FRED'K W. OSBORN, M.A. Miss CHRISTINE ROUNDS

WENDELL T. BUSH, M.A. Miss SARAH E. SCOTT, B.A.

Rabbi MARTIN A. MEYER, Ph.D. Miss A. E. WYCKOFF, B.A.

Prof. E. N. HENDERSON Rev. JOHN J. MAHON

Rev. WILLIAM H. BRUNDAGE LESLIE WILLIS SPRAGUE

DANIEL A. HUEBSCH, Ph.D.

The Department of Philosophy was organized May 23, 1900, with a membership of two hundred eighteen. It now numbers one hundred and ninety.

The work of the Department has been as follows:

I. A course of six lectures by Professor FREDERICK J. E. WOODBRIDGE, Ph.D., LL.D., of Columbia University. General subject: "German Philosophy since Immanuel Kant, and its Tendencies." Tuesday afternoons.

Oct. 1—"Kant: Nature Reduced to Phenomena."

Oct. 8—"Fichte: the System of Reason."

Oct. 15—"Schelling, and the Romanticists."

Oct. 22—"Hegel: Evolution and History."

Oct. 29—"Schopenhauer: the Irrational World."

Nov. 5—"Neo-Kantianism and the Philosophy of Experience."

II. A course of six lectures under the joint auspices of the Departments of Philosophy and Fine Arts, by DANIEL A. HUEBSCH, Ph.D. See Department of Fine Arts, V.

III. Four courses of lectures under the joint auspices of the Departments of Philosophy and Philology.

A course of six lectures by Professor EDWARD HOWARD GRIGGS, L.H.D. See Department of Philology, XXI.

A course of five lectures by Professor OTTO PFLEIDERER, Ph.D., of the University of Berlin, Germany. General subject: "German Philosophy since Leibnitz and its Influence on Religious Thought," given in the German language. Tuesday and Sunday evenings.

Oct. 15—"The Significance of German Religious Philosophy; Herder and Schelling."

Oct. 20—"Influence of Kant, Schiller, and Goethe."

Oct. 22—"Fichte's Ethical Idealism."

Oct. 27—"Hegel's System of Philosophy."

Oct. 29—"Influence of Schelling, Schopenhauer, and von Hartmann. Decline of the Extremes. Return to the Classic Ideal of the Humanistic Religion."

The lectures by Dr. PFLEIDERER were also delivered at Harvard University.

A course of six lectures by SWAMI ADHEDANANDA, Ph.D. See Department of Philology, XXIX.

A course of ten lectures by Professor EDWARD HOWARD GRIGGS, L.H.D. See Department of Philology, XXI.

IV. A course of six lectures under the joint auspices of the Departments of Philosophy and Political Science, by Reverend FRANCIS P. DUFFY, D.D., of the New York Ecclesiastical Seminary, Dunwoodie, New York. General subject: "The Current Science—Philosophy." Thursday afternoons.

Nov. 14—"The Scientific Data."

Nov. 21—"The Philosophical Theories."

Nov. 28—"The Question of God."

Dec. 5—"Matter and Mind."

Dec. 12—"The Ethical Implications."

Dec. 19—"Science and Democracy."

V. A course of six lectures under the joint auspices of the Departments of Philosophy, Psychology and Zoölogy, by Professor JAMES J. WALSH, M.D., Ph.D., LL.D., of New York. General subject: "Heredity and Darwinism." Wednesday afternoons.

Oct. 2—"What we do not Know about Heredity."

Oct. 9—"Acquired Characteristics and Heredity."

Oct. 16—"Pathological Heredity."

Oct. 23—"Heredity or Contagion; the Two Darwins."

Oct. 30—"Heredity and Instinct."

Nov. 6—"Things Known about Heredity."

VI. A special course of instruction under the joint auspices of the Departments of Philosophy and Philology, conducted by LESLIE WILLIS SPRAGUE, B.D. See School of Pedagogy, IX.

DEPARTMENT OF PHOTOGRAPHY

Officers for 1908-1909

WILLIAM E. MACNAUGHTAN	<i>President</i>
NATHAN T. BEERS, M.D.	<i>Vice-President</i>
R. M. COIT	<i>Recording Secretary</i>
WILLIAM T. KNOX	<i>Corresponding Secretary</i>
JAMES H. KELLY	<i>Treasurer</i>

Executive Committee and Committee on Rooms and Appliances

WILLIAM E. MACNAUGHTAN, <i>Chairman</i>	
NATHAN T. BEERS, M.D.	ROBERT B. MONTGOMERY
RICHARD M. COIT	P. G. FARQUHARSON
WILLIAM T. KNOX	LONDON GURLITZ
JAMES H. KELLY	WILLIAM H. ZERBE
SAMUEL HOLDEN	ARTHUR H. FLINT
JAMES W. KENT	H. W. CONGDON
HENRY L. UNDERHILL	WILLIAM C. MOOG
JOSEPH L. HITZ	F. H. EVANS

Committee on Exhibitions

JAMES W. KENT, <i>Chairman</i>	
ROBERT B. MONTGOMERY	PERCY G. FARQUHARSON
SAMUEL HOLDEN	JAMES E. UNDERHILL

Committee on Lectures and Demonstrations

WILLIAM H. ZERBE, <i>Chairman</i>	
PERCY G. FARQUHARSON	LONDON GURLITZ
HENRY L. UNDERHILL	WILLIAM B. COLSON

House Committee

JAMES W. KENT, <i>Chairman</i>	
RICHARD M. COIT	EDWIN T. ROSS

Committee on Brooklyn and Long Island Slides

ROBERT B. MONTGOMERY, <i>Chairman</i>	
JAMES MCKENDRICK	

The Department of Photography was organized March 26, 1889, with thirty-four members. The present membership is five hundred twenty-eight.

The work of the Department has been as follows:

I. Two single lectures.

Dec. 20—HENRY TURNER BAILEY, of Scituate, Massachusetts. Subject: "Pictorial Composition," illustrated by blackboard drawings and lantern photographs. Friday evening.

Apr. 16—J. FREDERICK HOPKINS, M.A., Director of the Maryland Institute Schools of Art, Baltimore, Ex-President of the Department. Subject: "Hill Towns of Italy," illustrated by lantern photographs. Thursday evening.

II. A series of four demonstrations, by WILLIAM H. ZERBE, Chairman of the Department Committee on lectures and demonstrations. Friday evenings.

Oct. 18—"The Kallitype Process."

Nov. 15—"The After-treatment of Negatives."

Dec. 27—"The Gum Bichromate Process."

Jan. 17—"The Carbon Process."

III. Feb. 21—A demonstration by NORMAN W. CARKHUFF, of the Eastman Kodak Company. Subject: "The New Ozobrome Process." Friday evening.

IV. Mar. 20—A conference conducted by WILLIAM H. ZERBE. Subject: "Artistic Mounting for Photographs."

V. A lecture under the joint auspices of the Departments of Photography and Astronomy, by Reverend FREDERIC CAMPBELL, M.A. See Department of Astronomy, IV.

VI. Four single lectures under the joint auspices of the Departments of Photography and Geography. See Department of Geography, V.

Apr. 20—Professor CHARLES E. FAY, M.A.

Apr. 29—BAILEY WILLIS.

May 15 and 22—Professor WILLIAM C. PECKHAM, M.A.

VII. Four courses of special lectures under the joint auspices of the Departments of Photography and Geography, by Dr. JOHN C. BOWKER, DWIGHT L. ELMENDORF, BURTON HOLMES and GARRETT P. SERVISS, M.A. See Department of Geography, VI.

VIII. A lecture under the joint auspices of the Departments of Photography and Microscopy.

Apr. 8—J. E. BRULATOUR, agent of the Lumière Company in New York. Subject: "The Lumière Autochrome Process of Color Photography," illustrated by various slides in color.

IX. Three single lectures under the joint auspices of the Departments of Photography and Zoölogy, illustrated by plain and colored lantern photographs.

Oct. 5—Reverend HERBERT K. JOB, M.A., of Kent, Connecticut. Subject: "Hunting Birds with the Camera."

Jan. 2—ERNEST HAROLD BAYNES, of Meriden, New Hampshire, Secretary of the American Bison Society. Subject: "The Animals of the Blue Mountain Forest."

Feb. 5—Professor FRANCIS H. HERRICK, Ph.D. See Department of Zoölogy, IV.

X. A course of four matinee and evening lectures and an Exhibition of Enlarged Photographs under the joint auspices of the Departments of Photography, Ethnology and Geography, by FREDERICK MONSEN. See Department of Ethnology, I and II.

XI. A course of six lectures under the joint auspices of the Departments of Photography, Fine Arts and Painting, by Miss ANTONIE STOLLE. See Department of Painting, III.

EXHIBITIONS.

XII. An exhibition of salon pictures on the evenings of November 14, 15 and 16 at the Department Rooms, 201 Montague Street.

XIII. Three evening exhibitions.

Dec. 13—Through the courtesy of the New York Camera Club there was an exhibition of lantern slides representing the best work of that club. Lecture room, 174 Montague street, Friday evening.

Jan. 31—Through the courtesy of the Orange Camera Club there was an exhibition of lantern slides representing the best work of that club. Lecture room, 174 Montague street, Friday evening.

Mar. 24-28—An exhibition of pictorial photographs loaned by the American Federation of Photographic Societies. Department Rooms, 201 Montague street.

XIV. An exhibition of enlarged photographs by FREDERICK MONSEN was held at the Art Gallery under the joint auspices of the Departments of Photography and Ethnology. See Department of Ethnology, II.

XV. THE EIGHTEENTH ANNUAL EXHIBITION

The Eighteenth Annual Exhibition of photographic prints was opened free to the public on Monday, April 27, at two o'clock in the afternoon, at the Art Gallery, 174 Montague Street, and was continued as follows:

Apr. 27—2 to 4 and 7.30 to 10.

Apr. 28—2 to 4 and 7.30 to 10.

Apr. 29—2 to 4 only.

Apr. 30—2 to 4 and 7.30 to 10.

May 1—2 to 4 only.

May 2—3 to 6 and 7.30 to 10.

The following members exhibited photographic work:

NATHAN T. BEERS, M.D., W. A. BOGER, EUGENE V. BREWSTER, HENRY A. CARLY, RICHARD M. COIT, HERBERT WHEATON CONGDON, JOHN C. DAVIDSON, P. G. FARQUHARSON, ARTHUR H. FLINT, LANDON GURLITZ, J. ARTHUR H. HATT, JOSEPH L. HITZ, SAMUEL HOLDEN, MYERS R. JONES,

JAMES H. KELLY, JAMES W. KENT, WILLIAM T. KNOX, WILLIAM ELBERT MACNAUGHTAN, D. STUART MARSH, ROBERT B. MONTGOMERY, HENRY HOYT MOORE, S. S. PALMER, H. V. SCHIEREN, W. R. THOMPSON, H. L. UNDERHILL, JAMES E. UNDERHILL, WILLIAM H. ZERBE.

The number of exhibitors was twenty-seven, and the number of exhibits, one hundred sixty-three.

The Board of Judges consisted of HENRY R. POORE, A.N.A., GEORGE R. HAVELKA and F. BENEDICT HERZOG.

The following awards were made:

(a) For Groups of Pictures:

First, WILLIAM T. KNOX, "Marine," "Mid Haze and Smoke," "Firing Up," "The Toilers," "Homeward Bound," "October Days" and "Long Bridge" (catalogue numbers, 99-104a); second, JAMES W. KENT, "The Poplars," "Winter Landscape," "After the Shower," "Arch by Moonlight," "Return from Pasture," "Gate to the Orchard," and "At the Close of Day" (catalogue numbers, 92-98); third, WILLIAM E. MACNAUGHTAN, "A Dusty Road," "In the Upland Country," "The Top of the Hill," "Husking Corn," "Sunlight and Shadow" and "Apple Trees" (catalogue numbers, 105-110).

Honorable Mention:

JAMES E. UNDERHILL, "Old Marblehead Lane," "Landscape," "Gloucester Dock," "The Raft," "Sun and Shade" and "Spring Morning" (catalogue, 148-153); SAMUEL HOLDEN, "In Marblehead," "Village Street," "The Town Dock" and "Hillside Home" (catalogue, 75-78).

The first award above mentioned entitled the holder, WILLIAM T. KNOX, to the silver cup presented by the Executive Committee.

(b) For Individual Pictures:

First and second awards were not made; third, JAMES W. KENT, "At the Close of Day" (catalogue, 98).

Honorable Mention:

MYERS R. JONES, "Gossips, Chioggia, Italy" (catalogue, 80); J. ARTHUR H. HATT, "The Pose" (catalogue, 65); HERBERT WHEATON CONGDON, "A Haunted House" (catalogue, 41); WILLIAM H. ZERBE, "The House on the Hill" (catalogue, 160); ARTHUR H. FLINT, "Study" (catalogue, 59); P. G. FARQUHARSON, "Entrance to a Japanese Garden" (catalogue, 52).

XVI. A COLLECTION OF PHOTOGRAPHS OF LONG ISLAND. The Department is now, and has been for some years past, engaged in making a collection of lantern-slide photographs of Brooklyn, its vicinity, and Long Island, from Fort Hamilton to Montauk Point. This collection, deposited at the Museum Building, now numbers upwards of four hundred and fifty. Contributions to this collection are invited and will be welcomed from *all* who are interested in the scenery, history, architecture, geology or inhabitants of this Borough or of Long Island. The Chairman of the Committee in charge of this Collection for the coming year is ROBERT B. MONTGOMERY, 164 Lafayette Avenue, Brooklyn.

XVII. The Department of Photography is to be congratulated upon the excellent facilities for work that have been provided for it, and for the valuable provisions that have been made for the instruction and enjoyment of all its members.

The Department Rooms at 201 Montague Street were used until April 15, on which date the apparatus of the Department was moved to the Ovington Building, where temporary quarters were obtained until such time as the Department might move into the large and beautiful suite of rooms which is being fitted up in the New Academy of Music Building. The new suite will include a large studio room, 24 x 30 feet, which is provided with a good skylight, 26 x 10 feet, and is excellently adapted for studio photog-

raphy; a dark room, provided with all the accessories necessary for the development of photographs, and an enlarging room, with good north light. The rooms contain appliances adapted to the best work in photography.

Members of the Department who desire to make practical use of the new rooms or of any of the apparatus belonging to the Department, can do so by the payment of the small fee of five dollars per year. Applications for the use of the rooms and apparatus should be made by mail to the Chairman of the House Committee, Department of Photography, Academy of Music.

The meetings at the Department Rooms are open to all of the Members of the Department. The reading-room contains the best current periodicals on photography.

In the new Academy of Music a suite of photographic rooms is constructed much larger than the suite now in use. The rooms can be reached by elevators and will be equipped with the best appliances for photographic work by Members of this Department.

DEPARTMENT OF PHYSICS

Officers for 1908-1909

Prof. JOHN S. MCKAY, Ph.D.	<i>President</i>
Prof. WILLIAM C. PECKHAM, M.A.	<i>Vice-President</i>
RUDOLPH SELDNER, Ph.B.	<i>Secretary</i>

Executive Committee

Prof. JOHN S. MCKAY, Ph.D.	RUDOLPH SELDNER, Ph.B.
Prof. WM. C. PECKHAM, M.A.	J. P. WINTRINGHAM
Prof. SAMUEL SHELDON, Ph.D.	WALLACE GOOLD LEVISON, B.Sc.
Prof. E. R. VON NARDROFF, D.Sc.	Prof. ALBERT W. AREY
WALLACE P. GROOM	WILLIAM CLINTON BURLING
J. NEWTON GRAY	JOSEPH F. JAMESON

The Department was organized in May, 1888, with thirty-six members. The present membership is one hundred thirty-seven.

The work of the Department has been as follows:

I. A course of six lectures by ERNEST R. VON NARDROFF, D.Sc., of Erasmus Hall High School. General subject: "Light and Color," illustrated by lantern photographs and experimental demonstrations. Monday evenings.

Jan. 6—"Spectrum Analysis and the Stars."

Jan. 13—"Light and Color as Sensations."

Jan. 20—"The Colors due to the Interference of Light."

Jan. 27—"Color Photography."

Feb. 3—"The Colors of Polarized Light."

Feb. 10—"The Applications of Polarized Light."

II. A course of three lectures by Professor ROBERT W. WOOD, Ph.D., of Johns Hopkins University. General subject: "Recent Researches in Light," illustrated by lantern photographs and experimental demonstrations. Monday evenings.

Mar. 30—"Fluorescence of Vapors, and their Magneto-optical Properties, with an Account of some Recent Researches into the Structure of the Sodium Atom."

Apr. 6—"Some new Experiments on the Interference of Light; Lippmann's Color Photographs."

Apr. 13—"Some new Methods of treating Optical Problems, with Special Reference to the Diffraction Grating, and Abbie's Diffraction Theory of the Microscope."

III. A course of six lectures under the joint auspices of the Departments of Physics and Electricity, by Professor CHARLES L. HARRINGTON, M.A. See Department of Electricity, IV.

IV. A course of six lectures under the joint auspices of the Departments of Physics, Chemistry and Electricity, by Professor HENRY P. TALBOT, Ph.D. See Department of Chemistry, III.

V. A lecture under the joint auspices of the Departments of Physics, Chemistry, Microscopy and Mineralogy, by GEORGE E. ASHBY. See Department of Mineralogy, V.

DEPARTMENT OF POLITICAL SCIENCE

Officers for 1908-1909

J. HERBERT LOW, Ph.D.	<i>President</i>
Pres. CHARLES H. LEVERMORE, Ph.D.	} <i>Vice-Presidents</i>
Pres. FRED W. ATKINSON, Ph.D.	
FRANCIS H. LUDLOW, B.A.	<i>Secretary</i>

Executive Committee

J. HERBERT LOW, Ph.D.	Pres. CHAS. H. LEVERMORE, Ph.D.
HARRINGTON PUTNAM	CONRAD V. DYKEMAN
Hon. FREDERICK W. HINRICHS	FRANCIS H. LUDLOW, B.A.
Pres. FRED W. ATKINSON, Ph.D.	CHARLES CLAGHORN, M.A.
BENJAMIN F. SEAVER	GEORGE FREIFELD
Mrs. S. SHEPPARD BRYAN	JAMES McKEEN
J. ELLET HODGKIN	Prof. H. DELMAR FRENCH, M.A.,
Prof. WILLIAM P. RICHARDSON,	Litt. D.
LL.D.	W. COLEMAN MILLER

The Department of Political Science was organized on December 17, 1889, with one hundred sixteen members. The present membership is seven hundred thirty-four.

The work of the Department is under the general direction of the Executive Committee.

The work of the Department has been as follows:

I. Five single lectures.

Sept. 28—Professor W. E. B. DuBois, of Atlanta University. Subject: "The Negro in our Larger Cities." Saturday evening.

Nov. 19—DAVID STARR JORDAN, Ph.D., LL.D., President of Leland Stanford Junior University. Subject: "Conditions in the Pacific Coast States." Historical Hall, Tuesday evening.

Jan. 8—Honorable THEODORE E. BURTON, Ex-Congressman from Ohio. See Anniversary Meetings, IV.

Jan. 28—GARRETT P. SERVISS, B.Sc. See Jamaica Branch, III.

Feb. 4—GARRETT P. SERVISS, B.Sc. See Jamaica Branch, III.

II. A course of six lectures, by Professor FRANKLIN H. GIDDINGS, Ph.D., LL.D., of Columbia University. General subject: "American Democracy; its Principles and Leaders." Wednesday evenings.

Oct. 2—"The Early Ideals of American Democracy."

Oct. 9—"Thomas Jefferson and the Fight against Privilege."

Oct. 16—"Andrew Jackson and the Rise of Individualism."

Oct. 23—"Abraham Lincoln and the United People."

Oct. 30—"The New Economic Questions."

Nov. 6—"The Outlook for the Future."

III. A course of six lectures, by Reverend HENRY R. ROSE, Ph.D., of Newark, New Jersey. General subject: "American Ideals and their Representatives," illustrated by plain and colored lantern photographs. Wednesday evenings.

Nov. 13—"Washington and American Independence."

Nov. 20—"Franklin and a Cosmopolitan Republic."

Nov. 27—"Paul Jones and the Freedom of the Sea."

Dec. 4—"Emerson and the Freedom of the Intellect."

Dec. 11—"Lincoln and a United Country."

Dec. 18—"American Ideals To-day."

IV. A course of six lectures, by Professor ALBERT BUSHNELL HART, Ph.D., LL.D., of Harvard University. General subject: "The Real South." Friday evenings.

Mar. 20—"The Study of the Southland."

Mar. 27—"The Caucasian Problem."

Apr. 3—"The African Problem."

Apr. 10—"Race Relations."

Apr. 17—"The Cotton Commonwealth."

Apr. 24—"The Solution by Uplift."

V. Two lectures under the joint auspices of the Departments of Political Science and Domestic Science, by Miss GRACE W. PITMAN. See Domestic Science, IX.

VI. A lecture under the joint auspices of the Departments of Political Science and Geography, by Professor FREDERICK STARR, Ph.D. See Department of Geography, VIII.

VII. A lecture under the joint auspices of the Departments of Political Science and Law, by Reverend JOHN T. DRISCOLL, S.T.L. See Department of Law, III.

VIII. Two lectures under the joint auspices of the Departments of Political Science and Pedagogy, by Reverend EDWARD EVERETT HALE, D.D., LL.D., and SIMEON D. FESS, LL.D. See Department of Pedagogy, II.

IX. Five courses of six lectures each, under the joint auspices of the Departments of Political Science and Philology.

A course by CHARLES JOHNSTON (University of Dublin), of Columbia University. Friday evenings.

Feb. 7—"Cuchulaind, the Irish Hero."

Feb. 14—"Columba, the Irish Mystic."

Feb. 21—"Brian Boru, the King."

Feb. 28—"Owen Roe O'Neil, the Warrior."

Mar. 6—"Edmund Burke, the Statesman."

Mar. 13—"Daniel O'Connell, the Liberator."

A course by ARTHUR DOUGHERTY REES, M.A. See Department of Philology, XXII.

A course by LEON H. VINCENT, M.A. See Department of Philology, XXII.

A course by VAHAN CARDASHIAN, M.A. See Department of Philology, XXX.

A course by Professor GABRIEL OUSSANI, Ph.B. See Department of Philology, XXX.

X. A course of lectures under the joint auspices of the Departments of Political Science and Philosophy, by Reverend FRANCIS P. DUFFY, D.D. See Department of Philosophy, IV.

XI. A special course of instruction under the joint auspices of the Departments of Political Science and the School of Pedagogy, by J. HERBERT LOW, M.A. See School of Pedagogy, XI.

XII. THE EXHIBIT OF CONGESTION OF POPULATION IN GREATER NEW YORK

Under the auspices of the Brooklyn Institute of Arts and Sciences, the Brooklyn Art Association, the Pratt Institute, the Bureau of Charities, the Prospect Heights Citizens' Association, the Brooklyn League, the Social Settlements, the Polytechnic Institute, the Adelphi College and the Packer Institute, an EXHIBIT OF CONGESTION OF POPULATION IN GREATER NEW YORK was held, under the immediate direction of BENJAMIN C. MARSH, assisted by committees from the various organizations named above, in the Art Building, 174 Montague Street, from Monday, April 6, to Sunday, April 19, inclusive. The EXHIBIT was open daily from 9 A. M. to 10 P. M., except on Sundays, when it was open from 2 to 6 P. M.

The EXHIBIT illustrated congestion in population both in Manhattan and Brooklyn, congestion in public schools, in

transportation, congestion in homes, results of inadequate ventilation in homes and schools, the spreading of contagious and infectious diseases on account of crowded and ill-ventilated homes, and congestion in streets when used as playgrounds. The EXHIBIT included also relief maps and plaster casts of the city to illustrate the congested condition of the business portion of the city during the day, and the congested condition of other parts of the city during the night. There were miniature houses representing the old and the new forms of tenements. There were various charts in which congestion of different kinds in large cities of the world were compared with similar conditions in New York. Manikins showed progress of ravaging disease in the human body. Specimens in alcohol showed effects of these diseases upon different organs of the body. Papier maché imitation of lungs, and heart, and brain, and muscle and nerve showed the difference between healthy and diseased portions of the body.

Day homes for children were also illustrated, as were also proper methods of caring for homes, for streets surrounding homes, for disposition of sewage; and different methods of fumigating in order to prevent spread of disease were fully illustrated. During the two weeks the EXHIBIT was visited by 14,921 persons.

Much credit is due to many young men and women in Brooklyn who gave of their time in order to act as attendants and demonstrators at the various exhibits. In connection with the EXHIBIT there were held two afternoon and ten evening conferences upon subjects illustrated at the Art Gallery. These conferences were attended by 2,157 persons, making a total attendance at the EXHIBIT and conferences of 17,078 persons. The following is a statement of the subjects of the conferences, together with the names of the persons who took part as speakers:

Apr. 6, 8.15 P. M.—Opening conference, **FREDERIC B. PRATT**, Secretary, Pratt Institute, presiding. Addresses were made by **Mrs. VLADIMIR SIMKHOVITCH**, on "The Origin and the Assembling of the Exhibit;" Honorable **ALFRED T. WHITE**, on "The Plan and Purposes of the Exhibit;" Honorable **BIRD S. COLER**, President of the Borough of Brooklyn, on "The Congestion of Population in Sections of Brooklyn;" Reverend **NEWELL DWIGHT HILLIS, D.D.**, of Plymouth Church, on "The Humanitarian Nature of the Exhibit;" **BENJAMIN C. MARSH**, on "Special Phases of the Exhibit;" Honorable **HERMAN A. METZ**, Comptroller of the City of New York, on "Remedial Legislation for Congested Conditions in Transportation, in School Accommodations, and in Housing."

Apr. 7, 3.30 P. M.—Conference on "The Neighborhood Association, its Work, and Brooklyn's Needs and Conditions," **ALFRED W. DENNEN, B.Sc., LL.B.**, President of the Brooklyn Neighborhood Association, presiding. Addresses were made by **Miss LILLIAN WALD**, of the Nurses Settlement, on "The Significance of the Settlement;" **Miss ELIZABETH WILLIAMS**, College Settlement, on "The Settlement and the School;" **Dr. GAYLORD WHITE**, Union Settlement, on "The Settlement and the Church;" **Dr. J. L. ELLIOTT**, Hudson Guild House, on "The Settlement as a Civic Force."

Apr. 7, 8.15 P. M.—**Mr. ALFRED W. DENNEN, B.Sc., LL.D.**, President of the Brooklyn Neighborhood Association, presiding. Addresses were made by **MORNAY WILLIAMS**, President of the New York Juvenile Asylum, on "The Juvenile Delinquent;" **ROBERT J. WILKIN**, Judge of Children's Court, on "Juvenile Probation Work in Brooklyn;" **WILLIS BROWN**, Judge of Juvenile Court of Salt Lake City, on "The Child and the Law;" **HOWARD BRADSTREET**, Secretary of the Metropolitan Parks Association, on "How Playgrounds affect Children in Congested Districts;" **Dr.**

JAMES HAMILTON, University Settlement, on "The Settlement as a Neighborhood Influence."

Apr. 8, 3.30 P. M.—Conference on "The Consumer in Congested Districts," Mrs. MARY H. LOINES, Chairman of Brooklyn Auxiliary of the Consumers' League, presiding. Addresses were made by Professor CHARLES ZUEBLIN, University of Chicago, on "The Problem of the Consumer;" Reverend CALEB S. S. DUTTON, Brooklyn, on "The Civic Results of Congestion;" EDWARD B. SHALLOW, Ph.D., Superintendent under the Compulsory Educational Law, on "Child Labor from the Standpoint of Education;" Miss CATHERINE UTLEY, Secretary, Industrial Work, Young Women's Christian Association, on "Betterment of Industrial Conditions in Factories and Stores;" Mrs. LILLIAN W. BETTS, Neighborhood Worker, on "The Consumers' League, Retrospect and Prospect."

Apr. 8, 8.15 P. M.—Conference on "Congestion in Tenement House and Factory Districts," CHARLES H. LEVERMORE, Ph.D., of Adelphi College, presiding. Addresses were made by Miss MARY VAN KLEECK, on "Investigations made in Tenement House Life in Congested Districts in Brooklyn;" HENRY C. WRIGHT, Secretary of the City Club, on "If Factories should be moved from Manhattan to Brooklyn and Queens;" LESLIE WILLIS SPRAGUE, Ph.D., of the Brooklyn Society of Ethical Culture, on "The City Made for Man."

Apr. 9, 8.15 P. M.—Conference on "Congestion of Population in Brooklyn," Honorable ALFRED T. WHITE, Member of the Board of Trustees of the Brooklyn Institute of Arts and Sciences, presiding. Addresses were made by Dr. MILTON REISENSTEIN, Hebrew Educational Society, on "The Hebrews in Brooklyn;" Reverend WILLIAM J. WHITE, Supervisor of Roman Catholic charities in Brooklyn, on "The Irish and Germans in Brooklyn;" Honorable JOHN McKEOWN, Deputy Tenement House Commissioner for

Brooklyn, on "The Work of the Department for the Relief of Congestion;" Reverend WALTER LAIDLAW, Secretary of the Federation of Churches, on "Density of Population and Distribution of Nationalities."

Apr. 13, 8.15 P. M.—Conference on "Congestion in Public Schools," FRANKLIN W. HOOPER, M.A., Director of the Brooklyn Institute of Arts and Sciences, presiding. Addresses were made by WILLIAM H. MAXWELL, Ph.D., LL.D., Superintendent of Public Instruction in New York City, on "The Problem of Providing School Accommodation in Brooklyn;" Honorable JOHN GREENE, Vice-President of the Board of Education, on "Transportation and School Problems;" General GEORGE WINGATE, Ex-President of the Board of Education, on "Playgrounds and Exercise for Boys and Girls."

Apr. 14, 8.15 P. M.—Conference on "Industrial Conditions in Brooklyn; Labor's Interest in Improving Them," JAMES CUNNINGHAM, President of the Brooklyn Federation of Labor, presiding. Addresses were made by JAMES CUNNINGHAM, on "The Conditions that now Exist are not at all necessary;" Honorable ALFRED J. BOULTON, Ex-Register, Kings County, on "Labor's Interest in Good Housing;" Mrs. FREDERIC NATHAN, President, New York City Consumers' League, on "Women who Work in Congested Districts;" Professor CHARLES ZUEBLIN, University of Chicago, on "Industrial Democracy."

Apr. 15, 8.15 P. M.—Conference on "Public Health Conditions in Brooklyn," GLENTWORTH R. BUTLER, M.D., Ex-President of the Medical Society of the County of Kings, presiding. Addresses were made by JOHN J. CRONIN, M.D., on "School Hygiene;" ELIAS H. BARTLEY, M.D., of the Long Island College Hospital, on "The Care of Young Children;" JOHN A. McCORKLE, M.D., of the Long Island College Hospital, on "Tuberculosis and Bad Housing."

Apr. 15, 8.15 P. M.—Conference on “Proper Planning of Cities and Parks,” HOWARD BRADSTREET, Secretary of the Metropolitan Parks Association, presiding. An Address was made by EDWARD T. HARTMAN, of Boston, on “City Planning for the Working Population,” illustrated by lantern photographs. In the absence of Reverend WALTER LAIDLAW, his address was read by W. S. BIXBY, on “Some Conditions in Brooklyn,” illustrated by lantern photographs.

Apr. 17, 8.15 P. M.—Conference on “Congestion and Transportation,” Honorable WILLIAM MCCARROLL, Member of the Public Service Commission of New York City, presiding. Addresses were made by Honorable EDWARD M. BASSETT, of the Public Service Commission of New York City, on “Brooklyn Needs in Transportation;” Honorable LAWSON PURDY, President of the Tax Board, on “The Effect of Taxation on Distribution of Population;” CHARLES R. LAMB, Architect, of New York, on “Remedial Measures and Improvement of the City,” illustrated by lantern photographs. A letter by Honorable JUDSON G. WALL was read by BENJAMIN C. MARSH, the questions in which were answered by Mr. PURDY and Mr. MCCARROLL. At the close of the conference a vote of thanks was unanimously given to Messrs. PURDY and MCCARROLL for their answers to the questions in the letter of Mr. WALL.

Apr. 18, 8.15 P. M.—Lecture by JOHN B. CREIGHTON, Secretary of the Brooklyn League, on “The Development of Greater New York,” illustrated by lantern photographs.

DEPARTMENT OF PSYCHOLOGY

Officers for 1908-1909

Prin. LASALLE H. WHITE, Ph.D.	<i>President</i>
Prin. FREDERIC L. LUQUEER, Ph.D.	} <i>Vice-Presidents</i>
Prof. FREDERICK W. OSBORN, M.A.	
Miss SARAH E. SCOTT, M.A.	
	<i>Secretary</i>

Executive Committee

Prin. LASALLE H. WHITE, Ph.D.	Miss A. E. WYCKOFF
ALMON G. MERWIN, Pd.D.	Prin. FREDERIC L. LUQUEER, Ph.D.
Prof. FRED'K W. OSBORN, M.A.	STUART H. ROWE, Ph.D.
Miss SARAH E. SCOTT, M.A.	Prof. ERNEST N. HENDERSON, M.A., Ph.D.
Prin. GEORGE B. GERMANN	Ph.D.
Asso. Supt. CLARENCE E. MELENEY	WILLIAM J. TAYLOR, Ph.D.
Prin. EMMA L. JOHNSTON, B.A.	Miss MABEL FOSTER
JAMES CRUIKSHANK, LL.D.	CATHERINE J. KING

The Department of Psychology was organized April 29, 1890, with sixty-eight members. The present membership is three hundred and eighteen.

The work of the Department has been as follows:

I. A lecture by Professor HERBERT S. JENNINGS, Ph.D., of Johns Hopkins University. Subject: "Beginnings of Mind in the Lower Forms of Life," illustrated by lantern photographs.

II. A lecture under the joint auspices of the Departments of Psychology, Microscopy and Zoölogy, by BORIS SIDIS, M.D., Ph.D. See Department of Microscopy, VII.

III. A course of six lectures under the joint auspices of the Departments of Psychology, Philosophy and Zoölogy, by Professor JAMES J. WALSH, M.D. See Department of Philosophy, V.

IV. A course of instruction in "Educational Psychology" under the joint auspices of the Department of Psychology and the School of Pedagogy, by Professor GEORGE H. BETTS. See School of Pedagogy, III.

V. The School of Pedagogy of the INSTITUTE is conducted under the joint auspices of the Departments of Psychology and Pedagogy. The immediate direction of the School is in the hands of the Committee on the School of Pedagogy, Principal ALMON G. MERWIN, Pd.D., Chairman.

VI. The Library of the Department, installed in the Museum, is for use as a Reference Library.

DEPARTMENT OF ZOOLOGY

Officers for 1908-1909

Prof. CHARLES B. DAVENPORT, Ph.D.	<i>President</i>
RICHARD W. SHARPE	<i>Vice-President</i>
FRANK H. AMES	<i>Secretary</i>

Executive Committee

Prof. CHAS. B. DAVENPORT, Ph.D.	JOHN J. SCHOONHOVEN, M.A.
Prof. JOHN MICKLEBOROUGH, Ph.D.	FRANK H. AMES
FRANKLIN W. HOOPER, M.A.	Miss CLARA C. CALKINS
WILLIAM C. BRAISLIN, M.D.	ROY S. RICHARDSON, B.Sc.
GEORGE K. CHERRIE	Miss ANNA B. GALLUP, B.Sc.
FREDERIC A. LUCAS	GEORGE P. ENGELHARDT
	RICHARD W. SHARPE

The Department of Zoölogy was organized on February 12, 1889, with twenty-two members. The present membership is one hundred three.

The work of the Department has been as follows:

I. Four single lectures, illustrated by plain and colored lantern photographs.

Apr. 1—Professor CHARLES B. DAVENPORT, Ph.D., Director of the Biological Laboratory of the Institute. Subject: "Some Results of Recent Researches in Evolution." Wednesday evening.

Apr. 11—FREDERIC A. LUCAS, Curator-in-Chief of the Central Museum. Subject: "Whales and Whaling." Central Museum, Saturday afternoon.

Apr. 15—WILLIAM LORD SMITH, M.D., of Boston. Subject: "The Large Animals of the Desert." Wednesday evening.

Apr. 18—FREDERIC A. LUCAS, Curator-in-Chief of the Central Museum. Subject: "The Fur Seal." Central Museum, Saturday afternoon.

II. Three lectures under the joint auspices of the Departments of Zoölogy and Botany, by Professor WILLIAM BATESON, M.A., of Cambridge, England. General subject: "Mendel's Principles of Heredity," illustrated by lantern photographs.

Oct. 3, Thursday—"Demonstrations of Mendel's Principles."

Oct. 31, Thursday—"Demonstrations," continued.

Nov. 1, Friday—"Demonstrations," continued.

III. Three lectures under the joint auspices of the Departments of Zoölogy and Microscopy. Tuesday evenings.

Jan. 28—Professor THOMAS H. MORGAN, Ph.D., of Columbia University. Subject: "The Germ Cell in Relation to Sex; the Influence of External Conditions," illustrated by lantern photographs.

Feb. 25—Professor THOMAS H. MORGAN, Ph.D. Subject: "The Germ Cell in Relation to Sex; Internal Factors," illustrated by lantern photographs.

Apr. 28—JOHN J. SCHOONHOVEN, M.A. See Department of Microscopy, VI.

IV. Three lectures under the joint auspices of Zoölogy and Photography.

Oct. 5—Reverend HERBERT K. JOB. See Department of Photography, IX.

Jan. 2—ERNEST HAROLD BAYNES. See Department of Photography, IX.

Feb. 5—Professor FRANCIS H. HERRICK, Ph.D., of Adelbert College, Cleveland. Subject: "The Building Habits and Home Life of Wild Birds," illustrated by lantern photographs.

V. A lecture under the joint auspices of Zoölogy, Microscopy and Psychology, by BORIS SIDIS, M.D. See Department of Microscopy, VII.

VI. A lecture under the joint auspices of the Departments of Zoölogy, Philosophy and Psychology, by Professor JAMES J. WALSH, M.D. See Department of Philosophy, V.

VII. Lectures on Hygiene under the joint auspices of the Department of Zoölogy and the Medical Society of the County of Kings. The lectures were given in the lecture hall of the Medical Society, 1313 Bedford Avenue, on Saturday evenings at 8.30, and on Sunday afternoons at 4.30 o'clock.

Sat., Oct. 5—THOMAS DARLINGTON, M.D., Health Commissioner of the city of New York. Subject: "Typhoid Fever and Other Infectious Diseases. How they are spread."

Sun., Oct. 13—FLORENCE LEIGH JONES, M.D., formerly Supervisor of the Training School in the Methodist Episcopal Hospital. Subject: "The Care of the Sick-room."

Sat., Oct. 19—HARRIS MOAK, M.D., Bacteriologist to the Milk Commission. Subject: "The Milk Supply and the Certification of Milk."

Sun., Oct. 27—J. M. VAN COTT, M.D., of the Long Island College Hospital. Subject: "The Relation of Bacteria to Disease."

Sat., Nov. 2—FRANCIS CAMPBELL, M.D., of the Long Island College Hospital. Subject: "What Surgery can and cannot do."

Sun., Nov. 10—JOHN A. McCORKLE, M.D., of the Long Island College Hospital. Subject: "Tuberculosis—its Modern Treatment."

Sat., Nov. 16—HONORABLE CHAMPE S. ANDREWS, M.D., Counsel to the Medical Society. Subject: "Patent and Proprietary Medicines."

Sun., Nov. 24—ELIAS H. BARTLEY, M.D., of the Long Island College Hospital. Subject: "The Physical and Mental Development of Children."

Sat., Nov. 30—H. W. WILEY, Chemist of the United States Department of Agriculture. Subject: "Adulteration of Food and Drugs."

THE GENERAL ZOÖLOGICAL COLLECTIONS

VIII. The General Collections of the Department on Zoölogy have been arranged in part in cases in the galleries assigned to the Department on the second floor of the Museum Building. The cases have been apportioned respectively to the Mammals, Birds, Reptiles, Fishes, Mollusca, and Radiates. The Entomological Collections have been placed in the cases in the adjoining gallery. The Children's Museum has very important Zoölogical Collections that are adapted to the purposes of that Museum.

IX. Large Additions to the Zoölogical Collections have been received during the past year through the generosity of Members and friends of the Institute. These are enumerated in the Year Book of the Institute for 1907-8.

SECTION ON PHILATELY

Officers for 1908-1909

Dr. THADDEUS P. HYATT, D.D.S.	<i>President</i>
HENRY A. TALBOT	<i>Vice-President</i>
JOHN D. CARBERRY	<i>Secretary and Treasurer</i>
GEORGE W. RING	<i>Curator and Librarian</i>

Executive Committee

THADDEUS P. HYATT, D.D.S.	WILLIAM PETERS
JOHN D. CARBERRY	GEORGE W. RING
A. KRASSA	LOUIS F. C. SCHMIDT
DAVID MINALDI	WILLIAM H. SUSSDORFF
HENRY A. TALBOT	

This Section was organized September 16, 1898, by the Members of the Long Island Philatelic Society of Brooklyn. Its present membership is fifty-two.

The work of the Section has been as follows:

I. A lecture illustrated by lantern photographs.

Nov. 22—W. I. SCANDLIN. Subject: "The United States Postal Service—from Postilion to Pneumatic Tube."

II. Business meetings, lectures, conferences, discussions and exhibitions were held on such Friday evenings of each month, from October to May, inclusive, as were designated by the President of the Section.

Philatelic lectures, illustrated with handsomely colored lantern photographs, by means of which each stamp, after being thrown upon the screen, is shown over two feet in height, bringing out clearly every variation in design, perforation, grille, secret mark, etc., form an entirely new and interesting feature of the work of the Philatelic Section.

DONATIONS, 1907-1908

Important contributions to the Collection of the Stamps of the world for the Museum were made during the year by different foreign governments.

The total number of Stamps now in the Collection is upwards of 11,000.

CASES FOR THE MUSEUM PHILATELIC COLLECTION

The first of the mahogany Philatelic cases, containing 25 drawers, 2 feet 4 inches by 2 feet $\frac{1}{2}$ inch in size, holding approximately 5,000 stamps, has been installed, and the stamps mounted therein can be seen at the Museum Building on Eastern Parkway. Each drawer is covered with glass, which fits closely to the stamps to prevent curling, and is so designed as to allow the drawer to be pulled out to a certain distance to expose the stamps to view—at the same time being locked to prevent abstraction. Access to the drawers can only be had by the Curator. More of these cases will be constructed as they may be required from time to time.

INFORMATION

Any special information concerning the Section on Philately, its work, membership, etc., may be had by addressing the Secretary thereof, JOHN D. CARBERRY, 822 Greene Avenue, Brooklyn, N. Y.

JAMAICA BRANCH

Executive Committee for 1908-1909

Hon. BURT JAY HUMPHREY, *Chairman*

EDWIN H. CHASE

Miss IDA MAYER

Dr. EDWARD DILLMAN

Prin. A. C. McLACHLAN, Ph.D.

Mrs. JOHN KENDALL DUNN

H. A. RUSHMORE

W. D. LLEWELLYN

Prin. CHARLES J. JENNINGS

H. G. McDONOUGH, *Secretary*
25 North Washington Street, Jamaica.

The JAMAICA BRANCH of the Institute was organized during the last part of 1907. Lectures were given during January, February and March, 1908. The present membership is one hundred sixty, exclusive of those who were members of the Institute previous to the organization of the BRANCH.

The Institute lectures given in Jamaica, under the auspices of various Departments, have been held on Tuesday evenings during January, February and March.

The work of the Branch has been as follows:

I. Three lectures under the joint auspices of the Departments of Geography and Photography, illustrated by plain and colored lantern photographs.

Jan. 14—GARRETT P. SERVISS, B.Sc., Ex-President of the Department of Astronomy. Subject: "In the Highest Alps."

Feb. 18—HENRY E. NORTHROP, Ph.D. Subject: "Japan."

Feb. 25—NORMAN P. HEFFLEY, President of the Heffley School. Subject: "A Trip through Mexico."

II. A lecture under the joint auspices of the Departments of Astronomy and Photography.

Jan. 21—GARRETT P. SERVISS, B.Sc. Subject: "The Planet Mars—Recent Discoveries," illustrated by lantern photographs.

III. Two lectures under the auspices of the Department of Political Science, by GARRETT P. SERVISS, B.Sc., illustrated by lantern photographs.

Jan. 28—"Napoleon Bonaparte."

Feb. 4—"Abraham Lincoln."

IV. A lecture and five dramatic readings under the auspices of the Department of Philology.

Feb. 11—LOUIS K. ANSPACHER, LL.B. A lecture on "Henrik Ibsen, the Dramatist."

Mar. 3—CHARLES JAMES, of New York. Dramatic reading, consisting of selections from the great modern dramatists, Shakespere, Goethe and Ibsen.

A series of four dramatic readings, by Mrs. BERTHA KUNZ BAKER, of New York.

Mar. 10—"If I Were King," by JUSTIN MCCARTHY.

Mar. 17—Selections from the writings of RUDYARD KIPLING.

Mar. 24—"Cyrano de Bergerac," by EDMOND ROSTAND.

Mar. 31—Excerpts from "A Prophet of the Soul," by ROBERT BROWNING.

THE FLUSHING BRANCH

On April 28, 1908, a meeting of residents of Flushing was held at the Good Citizenship League Building in Flushing, at which a plan for the establishment of a Flushing Branch was submitted by the Director of the Institute, and the meeting voted unanimously in favor of the establishment of a branch on the plan proposed, the number of members to

be enrolled before October 1 to be not less than 200. The Good Citizenship League of Flushing later approved the plan for the establishment of the Branch, and before the end of June 130 residents of Flushing had registered as members of the Flushing Branch. It is confidently expected that the number of members to be enrolled will be as many as 300. An Executive Committee has been selected by the residents of Flushing to have charge of the local management of the Branch. It consists of Mrs. B. F. O'CONNOR, Chairman; Mrs. JOSEPH H. CHAPIN, Mrs. E. B. CHILD, JOHN CLARKE, Miss JEAN ELY, E. M. FRANKLIN, Mrs. WILLIAM C. FERGUSON, CLARENCE M. LOWES, Mrs. F. H. MEAD, ROBERT B. PARSONS, Miss IDA SLADE and WILLIAM H. WALKER.

The plan for the coming season is to have five illustrated lectures, five dramatic readings, five concerts and five lectures on literary and geographical subjects, on Wednesday evenings, in the hall of the Good Citizenship League Building, beginning with October 7, and to have a course of University Extension Lectures on Friday afternoons in February and March, making altogether twenty-five educational events.

TABLE SHOWING THE MEMBERSHIP OF THE INSTITUTE

1907-1908

Associate Members	5,214
Life Members	385
Permanent Members	64
Corresponding Members	240
Honorary Members	21
Fellows	36
Patrons (9 deceased).....	15

Persons who have resigned, but were for a time on the Roll, during 1907-1908.....	232
New Members	681
Resignations	530
Increase	151

TABLE SHOWING THE MEMBERSHIP OF THE
DEPARTMENTS.

Departments	1906-1907	1907-1908	Order of size
ARCHITECTURE	216	209	16
ASTRONOMY	260	258	13
BOTANY	295	279	9
CHEMISTRY	198	191	17
DOMESTIC SCIENCE	241	259	12
ELECTRICITY	235	228	14
ENGINEERING	146	147	18
ENTOMOLOGY	52	51	27
ETHNOLOGY	120	119	21
FINE ARTS	1,008	1,039	3
GEOGRAPHY	415	452	7
GEOLOGY	129	121	20
LAW	262	261	11
MATHEMATICS	106	107	22
MICROSCOPY	108	105	23
MINERALOGY	89	79	25
MUSIC	2,269	2,337	1
PAINTING	252	267	10
PEDAGOGY	723	722	5
PHILOLOGY	1,360	1,424	2
PHILOSOPHY	190	218	15
PHOTOGRAPHY	518	528	6
PHYSICS	142	137	19
POLITICAL SCIENCE	717	734	4
PSYCHOLOGY	328	318	8
ZOOLOGY	107	103	24
PHILATELY SECTION	51	52	25
	10,537	10,745	

THE BIOLOGICAL LABORATORY

(Located at Cold Spring Harbor, L. I.)

NINETEENTH SEASON.

JULY AND AUGUST, 1908.

BOARD OF MANAGERS

WILLIAM J. MATHESON.....*President*
 HENRY F. NOYES.....*Vice-President*
 Prof. FRANKLIN W. HOOPER, M.A.....*Secretary*
 Prof. CHARLES B. DAVENPORT, Ph.D.....*Director*

A. AUGUSTUS HEALY	CLARENCE W. SEAMANS
OLIVER L. JONES, M.D.	Judge ADDISON BROWN
HON. DAVID A. BOODY	HON. WILLIAM J. COOMBS
HON. GEORGE V. BROWER	Prof. JOHN MICKLEBOROUGH, Ph.D.
Col. ROBERT B. WOODWARD	LOWELL M. PALMER
LOUIS C. TIFFANY	FRANK S. JONES
WALTER B. JAMES, M.D.	JOHN H. J. STEWART
ROBERT W. DEFOREST	GEORGE C. BRACKETT
WALTER JENNINGS	COLGATE HOYT
HERMON C. BUMPUS, Ph.D.	A. P. MONTANT
Prof. EDMUND B. WILSON, Ph.D.	AUGUST HECKSCHER
FREDERIC A. LUCAS	NICHOLAS MURRAY BUTLER, LL.D.
Mrs. EUGENE G. BLACKFORD	ALFRED G. MAYER, D.Sc.
F. N. DOUBLEDAY	EDWARD THOMPSON
J. STANLEY-BROWN	

THE BOARD OF INSTRUCTION

CHARLES BENEDICT DAVENPORT, Ph.D., Director of the Station for Experimental Evolution (Carnegie Institution of Washington).
Director of the Laboratory.

DUNCAN STARR JOHNSON, Ph.D., Professor of Botany, Johns Hopkins University. *In charge of Cryptogamic Botany.*

HENRY SHERRING PRATT, Ph.D., Professor of Zoölogy, Haverford College. *In charge of Comparative Anatomy.*

GEORGE D. FULLER, B.A., Instructor in Botany, University of Chicago. *In charge of Plant Ecology.*

ALICE HALL WALTER. *In charge of Bird Study.*

WILLIAM M. WHEELER, Ph.D., American Museum of Natural History. *Lecturer in Entomology.*

Mrs. GERTRUDE CROTTY DAVENPORT, B.Sc., Past Instructor in Zoölogy, Kansas State University. MABEL BISHOP, M.A., Fellow in Zoölogy, Smith College. *Associates in Microscopic Technique.*

DANIEL S. HARTLINE, M.A., Head of Department of Biology, State Normal School, Bloomsburg, Pa. *Associate in Comparative Anatomy.*

H. E. WALTER, Ph.D., Assistant Professor of Comparative Anatomy, Brown University. *Associate in Zoölogy.*

HARLAN H. YORK, M.A., Instructor in Botany, University of Texas. *Associate in Botany.*

PERSONS, OTHER THAN INSTRUCTORS, ENGAGED PRIMARILY IN
RESEARCH.

GEORGE CLYDE FISHER, B.A. (Miami University), Principal of Palmer College Academy, DeFuniak Springs, Florida. *Botany.*

SIDNEY ISAAC KORNHAUSER, B.A. (Western University of Pennsylvania), Instructor in Biology, George Washington University, Washington, D. C. *Zoölogy.*

WILLIS EDGAR MANEVAL, M.Sc. (Bucknell University), Acting Professor of Biology and Geology, Roanoke College, Salem, Va. *Botany.*

ANNIE PARKER HENCHMAN, Special Student at Radcliffe, 8 Frisbie Place, Cambridge, Mass. *Zoölogy.*

CORA DAISY REEVES, B.A. (Michigan University), Teacher, Manistee, Mich. *Zoölogy.*

ASA ARTHUR SCHAEFFER, B.A. (Franklin and Marshall College), Fellow in Biology, Johns Hopkins University, Baltimore, Md. *Zoölogy.*

STELLA GEORGIANA STREETER, B.L. (Smith College), M.A. (Columbia), Teacher of Botany in Jersey City High School, 210 Sip Avenue, Jersey City, N. J. *Botany.*

DAVID DAY WHITNEY, B.A. (Wesleyan University), M.A. (Columbia University), Instructor in Biology, Wesleyan University, Middletown, Conn. *Zoölogy.*

STUDENTS IN THE SEVERAL COURSES.

ELDEN BAYLEY, Student and assistant in botany, Chapel Hill, N. C. *Botany I.*

- HANNAH MARY CUSHMAN, B.Sc. (Teachers' College), Teacher of Science, High School for Girls, 300 N. Fifth Street, Reading, Pa. *Botany* 1.
- GEORGE CLYDE FISHER, B.A. (Miami University), Principal of Palmer College Academy, DeFuniak Springs, Fla. *Botany* 2.
- WILLIAM TRUMBOWER FOSTER, Ph.B. (Lafayette College), Assistant in Biology at Lafayette College, Easton, Pa., 40 Fairview Heights, Phillipsburg, N. J. *Botany* 1.
- MARTHA MASON KENNERLY, B.Sc. (Adelphi College), Instructor in Biology in Normal College, Park Avenue and 68th Street, New York, N. Y. *Botany* 1.
- SARA EMMA LAY, B.A. (Barnard College), 2137 Fifth Avenue, New York. *Zoölogy* 1a.
- MICHAEL LEVINE, B.Sc. (College of the City of New York), Teacher Public School, 64, 1878 Lexington Avenue, New York, N. Y. *Zoölogy* 1.
- ELIZABETH SHERWOOD LUM, B.A. (Wellesley), Head of Science Department, The Castle, Tarrytown, N. Y. *Zoölogy* 3.
- HATTIE L. LYNN, Head Assistant, 7432 Bond Avenue, Chicago, Ill. *Botany* 2.
- EDWIN CARLETON MACDOWELL, Student Assistant in Biology, Swarthmore College, Swarthmore, Pa. *Zoölogy* 2.
- WILLIS EDGAR MANEVAL, M.Sc. (Bucknell University), Acting Professor of Biology and Geology, Roanoke College, Salem, Va. *Bionomics*.
- CLARENCE A. MARCY, M.E.P. (Bloomsburg State Normal School), Principal, Curtin School, Milton, Pa., 45 Eley Street, Dorranceton, Pa. *Zoölogy* 2.
- HOWARD N. MARCY, M.E.P. (Bloomsburg State Normal School), Head of Biological Department, Forty Fort High School, 45 Eley Street, Dorranceton, Pa. *Zoölogy* 2.
- JOHN KNOX MUSGRAVE, Student, State College, Pa. *Zoölogy* 2.
- LEONARD OSCAR PACKARD, B.Sc. (Harvard University), Head of Department of Geography and Science, Boston Normal School, Boston, Mass. *Zoölogy* 2.
- ISABEL AMELIA PARKER, Teacher, 299 South Springfield Avenue, Chicago, Ill. *Zoölogy* 1.
- HELEN LOUISE PRATT, Teacher, 909 Lafayette Street, Bridgeport, Conn. *Botany* 1.

CORA DAISY REEVES, B.A. (Michigan University), Teacher Manistee, Mich. *Zoölogy* 1.

ALMA SOPHIA ROTHOLZ, Student at Smith College, 91 West Street, Northampton, Mass. *Zoölogy* 2.

LOUISE HUMPHREY SEELY, Normal School, Jersey City. Teacher of Biology in Jersey City High School, 50 Gautier Avenue, Jersey City, N. J. *Zoölogy* 3.

MARGARET TUCKER, B.A. (Vassar College,) Teacher in High School, 206 Church Street, Newton, Mass. *Zoölogy* 1.

LILLIAN ANNA UMACENY, B.A. (Normal College of City of New York), Teacher, 205 East 73d Street, New York, N. Y. *Zoölogy* 1.

GRACE WAYMAN, Teacher, Munson, L. I. *Zoölogy* 1.

JESSIE WELLS, B.Sc. (Normal School), High School Teacher, McConnelville, Ohio. *Botany* 1.

MARGARET ELIZABETH WELLS, Teacher, 329 N. Second Street, Reading, Pa. *Botany* 2.

COURSES OF INSTRUCTION

ZOÖLOGY

1—"Field Zoölogy," under Dr. C. B. DAVENPORT, Dr. H. E. WALTER and Dr. W. M. WHEELER.

1a—Bird Study, under Mrs. WALTER.

2—"Comparative Anatomy," under Dr. H. S. PRATT and Mr. HARTLINE.

3—"Animal Bionomics and Evolution," under Dr. C. B. DAVENPORT.

BOTANY

1—"Cryptogramic Botany," under Dr. D. S. JOHNSON and Mr. YORK.

2—"Ecology," under Mr. FULLER.

MICROSCOPIC METHODS

1—A course, under Miss MABEL BISHOP.

BIOLOGICAL CLUB

This Club has been formed for the presentation of the results of researches and for the reviewing of recent biological literature. Recently addresses have been given by the following visiting naturalists:

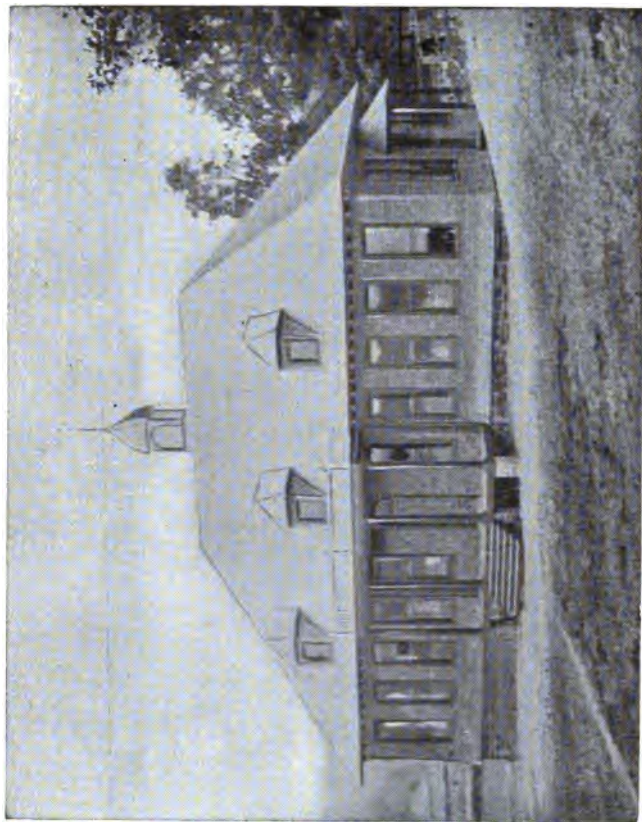
Professor M. A. BIGELOW, Teachers College, New York; Professor C. L. BRISTOL, New York University; Professor H. W. CONN, Wesleyan University; Professor ULRIC DAHLGREN, Princeton University; Professor A. DAVISON, Lafayette College; Professor BASHFORD DEAN, Columbia University; Mr. JAMES EMERTON, Boston; Dr. H. H. FIELD, Concilium Bibliographicum, Zürich; Dr. CLIFTON F. HODGE, Clark University; Professor GRAHAM LUSK, New York University Medical School; Dr. A. G. MAYER, Carnegie Institution of Washington, D. C.; Dr. D. T. MACDOUGAL, Carnegie Institution of Washington, D. C.; Professor JAMES G. NEEDHAM, Lake Forest University; Professor G. H. PARKER, Harvard University; Professor JACOB REIGHARD, University of Michigan; Professor EDWARD L. THORNDIKE, Columbia University; Mr. GEORGE C. WHIPPLE, Brooklyn; President R. S. WOODWARD, Carnegie Institution of Washington.

PUBLICATIONS

The following publications, based in whole or in part on work done or material collected at Cold Spring Harbor, have been published since last year's report:

ESTHER F. BYRNES.—Two Transitional Stages in the Development of *Cyclops signatus*, var. *coronatus*. Biol. Bull. X, pp. 193-196, Vols. VII., VIII. Apr., 1906.

CHARLES ZELNY.—The Relation of the Degree of Injury to the Rate of Regeneration. Jour. of Exper. Zoölogy, Vol. II., pp. 347-369. Aug., 1905.



THE JOHN D. JONES LABORATORY BUILDING, COLD SPRING HARBOR, 72x36 FEET.



THE EUGENE G. BLACKFORD MEMORIAL HALL.

HERBERT E. WALTER.—The Behavior of the Pond Snail, *Lymnaeus elodes* Say. Cold Spring Harbor Monographs, VI.; 35 pp. Mar., 1906.

W. L. TOWER.—An Investigation of Evolution in Chrysomelid Beetles of the Genus *Leptinotarsa*. Publications of the Carnegie Institution of Washington, No. 48.

MARY I. STEELE.—Regeneration in Compound Eyes of Crustacea. Jour. of Exper. Zoölogy, Vol. V., pp. 163-242. 16 Plates. Dec., 1907.

ELLA M. BRIGGS DAVIS.—The Life History of Case Bearers: II. The Caddis Flies: Trichoptera. Cold Spring Harbor Monographs, VIII. (In Press.)

EQUIPMENT

Through the establishment of the Station for Experimental Evolution by the Carnegie Institution of Washington on the property adjacent to the Laboratory and under the charge of the Director of the Laboratory, the scientific importance of the community has been augmented. Here is maintained throughout the year a staff of workers devoted exclusively to experimental investigations in biology, including the breeding of animals and plants. The Station possesses a valuable reference library and collections accessible to investigators at the Laboratory. Arrangements have been perfected by which research may be done at the Laboratory at almost any time of the year. Recently a large dormitory built of concrete has been completed, the gift of Mrs. EUGENE G. BLACKFORD as a memorial to her late husband.

LIBRARY

The Library now receives regularly the publications of several divisions of the Department of Agriculture and the Reports of the New York State Museum. Through an arrangement recently entered into with the Institute Library, the Laboratory becomes a branch station of that

Library, and thus acquires a service of great value. Workers at the Laboratory have access also to the library of the Carnegie Institution Station.

CONTRIBUTIONS FOR ORIGINAL RESEARCH AND EQUIPMENT

Subscriptions for the support of the Laboratory during the season of 1908 were made as follows:

SUBSCRIPTIONS, BIOLOGICAL LABORATORY, 1908.

	Paid
Henry F. Noyes	\$100.00
Dr. Walter B. James.....	100.00
Walter Jennings	100.00
William J. Matheson.....	150.00
George V. Brower	25.00
Robert B. Woodward	50.00
Frank S. Jones.....	100.00
Mrs. E. G. Blackford.....	100.00
C. W. Seamans.....	100.00
R. W. de Forest.....	50.00
John Thompson	25.00
	<hr/>
	\$900.00



VIEW OF ROAD OVER THE DAM AT THE SECOND LAKE, TO ILLUSTRATE TYPICAL FOREST AND FRESH WATER CONDITIONS.
GREAT OAK IN FOREGROUND.



VIEW OF THE ESTUARY AND INNER HARBOR, LOOKING DOWN THE VALLEY. THE LABORATORIES STAND ON THE LEFT SIDE OF THE INNER HARBOR, AND ARE NOT VISIBLE IN THIS PICTURE.

SUBSCRIBERS TO THE MUSEUM COLLECTION FUND OF 1908.

E. LE GRAND BEERS.....	\$100.00
Miss MARY B. WOODWARD.....	25.00
JOHN J. PIERREPONT.....	100.00
Mrs. HENRY K. SHELDON.....	200.00
Col. ROBERT B. WOODWARD.....	500.00
Hon. CARLL H. DE SILVER.....	500.00
FRANK LYMAN	100.00
Hon. CHARLES A. SCHIEREN.....	100.00
W. A. PUTNAM	100.00
ISAAC H. CARY.....	100.00
ALFRED T. WHITE.....	500.00
Miss FRANCES E. WHITE.....	500.00
Miss HARRIET H. WHITE.....	500.00
JOHN W. FROTHINGHAM.....	150.00
GUSTAV HEUBACH	25.00
Mrs. THEODORE G. EGER.....	10.00
STANSBURY HAGAR	10.00
SAMUEL LEE	10.00
P. KOUWENHOVEN	3.00
Miss JULIA W. LATIMER.....	100.00
ANTON EILERS	50.00
FRANK M. LUPTON.....	50.00
JUDAH B. VOORHEES	15.00
WILLIAM DICK	100.00
JOHN J. RYAN.....	5.00
W. D. MUNSON.....	25.00
WALTER H. CRITTENDEN.....	25.00
A. AUGUSTUS HEALY.....	500.00
ALEXANDER M. FORMAN.....	5.00
FRANKLIN W. HOOPER.....	10.00
J. R. PLANTEN.....	25.00
Mrs. J. L. ROBERTS.....	20.00
PETER GEDDES	20.00
Mrs. JULIA L. SLACK.....	5.00
GLENTWORTH R. BUTLER, M.D.....	5.00
Miss FRED A. BRUNN.....	5.00
Miss ELSA PROSSER.....	5.00
Mrs. J. CROWELL.....	50.00
A FRIEND	50.00

Mrs. ALFRED T. WHITE.....	\$250.00
Hon. JAMES R. HOWE.....	50.00
N. WIRLING	2.00
DANIEL K. DE BEIXEDON.....	25.00
GEORGE C. BRACKETT.....	250.00
GEORGE T. STEBBINS.....	5.00
SILAS TUTTLE	25.00
Rev. JOHN J. MAHON.....	5.00
H. BEECKMAN DELATOUR.....	10.00
HERBERT F. GUNNISON.....	5.00
Miss ELIZABETH W. FROTHINGHAM.....	150.00
Miss EVA F. BUKER.....	10.00
THOMAS PROSSER	100.00
HERMAN STUTZER	100.00
Miss DOROTHY REIMER.....	3.00
Mrs. LENA HAPPEL.....	5.00
HENRY TITUS	5.00
Mrs. JAMES DAVIDSON.....	3.00
FREDERIC B. PRATT.....	100.00
FRANK S. HALLIDAY.....	5.00
Rev. THOMAS J. MULVEY.....	5.00
Miss BERTHA HALL.....	2.00
BENJAMIN F. SEAVER.....	15.00
EDWARD C. BLUM.....	20.00
ERNEST BODE	3.00
HENRY BATTERMAN	100.00
CARL FIQUÉ	10.00
Prof. WALTER S. PERRY.....	5.00
Prof. THOMAS FLINT.....	5.00
JEREMIAH R. VAN BRUNT.....	10.00
Mrs. EDWARD G. KOHNSTAMM.....	10.00
CHARLES W. JONES.....	5.00
ROBERT MALLORY	25.00
FRANK HEALY	100.00
J. ADOLPH MOLLENHAUER.....	100.00
ADOLPH MÜLLER	5.00
Dr. WILLIAM L. FELTER.....	5.00
Miss ISABEL M. CHAPMAN.....	10.00
GEORGE BRENNECKE	15.00
Mrs. WILLIAM H. ZIEGLER.....	5.00
CASH	2.00
Miss M. E. KERRIGAN.....	2.00

FRANK S. JONES.....	\$500.00
CHARLES FROEB	25.00
ROBERT G. ECCLES, M.D.....	5.00
HON. ELIJAH R. KENNEDY.....	25.00
Miss J. ERNESTINE CAPPELLE.....	2.00
F. W. WUNDERLICH, M.D.....	25.00
Mrs. W. D. C. FIELD.....	2.00
FRANCIS H. SCHLITZ, M.D.....	2.00
MARTIN JOOST	100.00
HON. GEORGE V. BROWER.....	25.00
MELVIN BROWN	10.00
Rev. J. L. ZABRISKIE	10.00
Prof. HERSCHEL C. PARKER.....	5.00
JOHN W. JAMES, Jr.....	10.00
H. JAMES	5.00
WILLIAM L. JAMES.....	5.00
CHARLES J. SCHLEGEL.....	5.00
Miss A. G. ATKINS.....	2.00
Prof. EDWARD HOWARD GRIGGS.....	10.00
F. H. S.....	5.00
WILLIAM S. LEMEN.....	5.00
Mrs. J. LEHRENKRAUSS.....	10.00
HENRY I. JUDSON.....	25.00
Mrs. CAROLINE T. PIERCE.....	5.00
R. A. SHAW.....	10.00
BRAINERD KELLOGG, LL.D.....	10.00
Miss MARGARET J. THAYER.....	10.00
WALTER C. HUMPTSTONE.....	25.00
Miss MIRIAM S. DRAPER.....	1.00
JOHN F. BECKER.....	25.00
J. V. V. BOORAEM.....	15.00
Miss A. E. GADEN.....	2.00
Miss EVA B. CLOSE.....	5.00
J. WILLIAM GREENWOOD.....	5.00
EDGAR G. PFARRE.....	2.00
FREDERICK D. SOPER.....	5.00
Mrs. T. E. HODGSKIN.....	5.00
Mrs. A. MUNNICH	5.00
Miss F. A. P. SPURWAY.....	5.00
GEORGE A. HEARN.....	500.00
HAROLD SOMERS	5.00
ALBERT KORBER	5.00

Miss M. H. PUCKHABER.....	\$5.00
CHARLES M. HIGGINS.....	25.00
Anonymous	1.00
DARWIN R. JAMES.....	11.02
Mrs. R. C. HAHN.....	10.00
P. H. BERLENBACH.....	3.00

\$7,688.02

SPECIAL ENDOWMENT FUNDS OF THE INSTITUTE

THE AUGUSTUS GRAHAM FUNDS

(1) "I give and bequeath unto the Brooklyn Institute the sum of Five Thousand Dollars, to be invested in the interest of the same, to be applied to the purchase of apparatus, and to the establishment and support of a course of free lectures annually, upon mechanics, natural philosophy and science, for the youth of the City of Brooklyn.

(2) "Also the further sum of Five Thousand Dollars, to be invested as aforesaid, the income to be applied to the purchase of specimens of natural history, and in causing free lectures to be delivered upon the subject of Natural History, from time to time, and the benefit of the Natural History Department of the Brooklyn Institute; and any surplus of said income to be applied to the general objects of said Institute.

(3) "Also the sum of Five Thousand Dollars, to be invested as aforesaid, and to apply the income thereof as follows: One-half toward the support of the School of Design, and the other half annually to a specimen of the Fine Arts, to be executed by a native artist, and kept in said Institute for the purpose of forming a gallery of Fine Arts.

(4) "Also the sum of Twelve Thousand Dollars, to be invested as aforesaid, the income to be applied to the delivery of Sunday Evening Lectures at such time as may be deemed advisable by the Directors or Trustees on The Power, Wisdom and Goodness of God, as Manifested in His Works."

THE JOHN B. WOODWARD MEMORIAL FUND.

"I hereby give and grant unto the Brooklyn Institute of Arts and Sciences the sum of Twenty-five Thousand Dol-

lars in memory of my brother, JOHN B. WOODWARD, to be by it held as a separate fund, apart from all other funds of the Institute, to be securely invested and reinvested by its officers under the advice and direction of its Board of Trustees, the entire income of which is to be devoted to the encouragement of American Art, by the purchase, from time to time, of oil paintings of artists practicing their profession in the United States of America, preference being given to paintings exhibited in some regular exhibition of the work of artists, such as the National Academy of Design, the Society of American Artists, the Academy of Fine Arts in Philadelphia, or other similar exhibitions throughout the country; the selection and purchases to be made by the President and the Art Committee of the Institute with the approval of the Board of Trustees or of its Executive Committee."—Extract from Deed of Gift by Col. ROBERT B. WOODWARD.

THE ELLA C. WOODWARD MEMORIAL FUND

"And I hereby give and grant unto the Brooklyn Institute of Arts and Sciences the further like sum of Twenty-five Thousand Dollars, in memory of my wife, ELLA C. WOODWARD, to be by it held and invested in like manner, and the entire income devoted to the purchase from time to time of objects of art, vertu or antiquity, the selection and purchases to be made by the President and the Art Committee of the Institute, with the approval of the Board of Trustees or of its Executive Committee."—Extract from Deed of Gift by Col. ROBERT B. WOODWARD.

NOTE.—The two funds created by Colonel WOODWARD are together known as the WOODWARD MEMORIAL FUNDS.

THE FREDERICK LOESER FUND.

Mr. FREDERICK LOESER, of Stuttgart, Germany, donated in 1902 the sum of \$10,000 as a Trust Fund, to the Brook-

lyn Institute of Arts and Sciences, the interest to be used for the purchase of photographs and casts of famous works of Art (Paintings, Sculptures and Architecture), from originals in various Museums, private collections in cities of Europe and America. In case at some future time the Museum should be adequately supplied with these, said interest may be used in the purchase of original works of Art, such as paintings, porcelains, bibelots, antiques, etc.

THE HENRY K. SHELDON FUND

Extract from the provisions of the will of HENRY K. SHELDON:

"And I give and bequeath to the Brooklyn Institute of Arts and Sciences in the City of Brooklyn, the sum of Ten Thousand Dollars (\$10,000) in trust, the income arising therefrom to be used by the said Institute towards paying any expenses the said Institute may incur for the Brooklyn Philharmonic Society, and for giving Chamber Music Concerts, which are to be given for the culture of music, and in rendering the highest standard of music which will be educational. Should, however, the Brooklyn Philharmonic Society be dissolved, or the Chamber Music Concerts be discontinued, then the said bequest of Ten Thousand Dollars (\$10,000) shall revert to and form part of my estate."

THE CAROLINE A. POLHEMUS FUND

Mrs. CAROLINE A. POLHEMUS bequeathed to the INSTITUTE the sum of Ten Thousand Dollars to be held in trust, the income arising therefrom to be expended in the care, preservation and increase of the CAROLINE A. POLHEMUS COLLECTION OF PAINTINGS and other works of art also bequeathed by her to the INSTITUTE for its Museum collections in the Fine Arts.

CONDENSED SUMMARY FROM THE REPORT OF THE TREASURER.

FOR THE YEAR ENDING MAY 1, 1908.

May 1, 1907—Cash on hand—in banks..... \$15,947.15

RECEIPTS.

May 1, 1907, to May 1, 1908.

Institute Associate Funds Accounts—

Including accounts received for Annual Dues from Associate Members; from Pedagogical and other classes; special illustrated and other Lectures; Dramatic Readings; Philharmonic, Oratorio and other Concerts, etc., etc..... \$80,386.95

Biological Laboratory

at Cold Spring Harbor, L. I.—

Special contributions, tuitions, etc..... 1,700.00

General Funds Accounts—

Including Initiation Fees of new members, Life Membership Fees, etc..... 2,985.00

Investment Funds Account—

Including (mainly) payments on account of mortgages due and passed through this account for reinvestment..... 38,350.00

Endowment Fund Account—

On account bequest

Col. Henry P. Martin..... 2,895.00

Balance of bequest, James A. H. Bell.... 280.32

Endowment Fund—Income Account—

Interest on Investments 13,007.38

Museums Account—

For Maintenance of Museums..... 91,843.61

Museum Collections Fund—

Contributions during the year to special fund for the purchase of exhibits in Art and Science for the Museums..... 7,540.20

Bequest received during the year from Estate of Henry Mumford..... 1,000.00

Museum Fund temporary-loan account..... 7,000.00

Ella C. Woodward Fund (Income paid on account loan) 1,200.00

SPECIAL FUNDS.

Woodward Memorial Funds—

Principal amount \$50,000.

Income received\$2,493.16

Frederick Loeser Art Fund—

Principal amount \$10,000.

Income received 450.00

Henry K. Sheldon Fund—

Principal amount \$9,500.

Income received 427.50

Graham Funds—

(1) Library, etc.

Principal amount \$20,000.

Income received 1,000.00

(2) Mechanics, etc.

Principal amount \$5,000.

Income received 225.00

(3) Classes in Design

Principal amount \$5,000.

Income received 225.00

(4) Natural History, etc.

Principal amount \$5,000.

Income received 225.00

(5) Sunday Evening Lectures, etc.

Principal amount \$12,000.

Income received 540.00

Cary Library Fund—

Principal amount \$10,000.

Income received 450.00

Women's Law Lecture Fund—

Principal amount \$1,100.

Income received 49.50

Eastern District Library Fund—

Principal amount \$3,894.73.

Income received 175.26

Polhemus Fund—

Principal amount \$10,000.

Income received 393.75

\$6,654.17

Total receipts for the fiscal year..... \$254,842.63

Grand Total..... \$270,789.78

DISBURSEMENTS.

May 1, 1907, to May 1, 1908.

Associate Funds Accounts—

Covering payment for Lectures, Dramatic Readings, talent for Song Recitals, Chamber Music, Boston Symphony Orchestra and other Concerts, Instructors of Pedagogical and other salaries, sundry rents for special reserved-seat events, printing, etc. \$83,697.14

Biological Laboratory

at Cold Spring Harbor, L. I.—
Including salaries of the corps of Instructors for the season 1907, for general supplies, care of Dormitories, etc. 1,995.05

General Funds Accounts—

Including payments for rents of lecture halls for members' weekly-ticket events, general office of management, rooms for pedagogical classes, Department of Photography, etc., management, salaries, etc. 10,224.14

Investment Funds Account—

Sundry investments and reinvestments in first mortgages on New York City real estate, etc. 49,000.00

*General Endowment—*Income account. 4,116.14

Museums Maintenance—

Including salaries of Curators and their assistants, Taxidermists, Librarians, Stenographers, Attendants, Engineers and Mechanics, for coal and sundry supplies, etc., during the fiscal year. 91,843.61

Law Lectures for Women by Women—

Income Account—Lectures 54.37

Museum Collections Fund—

Payments for Works of Art, and Archaeological, Ethnological and other specimens, etc. 8,529.76

SPECIAL FUNDS.

Woodward Memorial Funds—Income—

John B. Woodward Memorial Fund.
Purchase of paintings (the work of native artists) \$1,350.00
Ella C. Woodward Memorial Fund—
Income—Payment on account of loan and interest 1,346.25

<i>Henry K. Sheldon Music Fund Account—</i>		
Income—		
For Promotion of Philharmonic and Chamber Music Concerts		\$310.00
<i>Polhemus Fund—Income Account.....</i>		14.40
<i>Eastern District Library Fund.....</i>		175.26
<i>Graham Funds—Income—</i>		
(1) Library, etc., Fund.....	\$675.02	
(2) Mechanics, etc., Fund.....	150.00	
(4) Natural History Fund.....	573.00	
(5) Sunday Evening Lectures Fund	145.25	
	<hr/>	1,543.27
<i>Cary Library Fund—Income.....</i>		470.18
<i>Botanic Garden—Account.....</i>		60.00
<i>Loan Account—</i>		
Museum Fund temporary loan.....	10,500.00	
Total Disbursements for the fiscal year.....		\$265,229.57
May 1, 1908, Cash on hand.....		5,560.21
		<hr/>
Grand Total.....		\$270,789.78

ENDOWMENT, PERMANENT AND OTHER FUNDS,
MAY 1, 1908.

Endowment, for General Purposes.....\$228,065.17

SPECIAL TRUST FUNDS.

Only the income to be used

<i>Augustus Graham Funds—</i>	
For Free Library, etc.....	\$20,000.00
“ Apparatus and Lectures on Mechanics, Natural Science, etc.	5,000.00
“ School of Design and Specimens of Fine Arts by Native Artists, etc....	5,000.00
“ Specimens and Lectures, Natural History, etc.	5,000.00
“ Sunday Evening Lectures—“Power, Wisdom and Goodness of God as Manifested in His Works”	12,000.00
<i>William H. Cary Fund—</i>	
For support of Library	10,000.00
<i>Eastern District Library Association—</i>	
For Annual Memberships, Scholars of Public Schools	3,894.73

Frederick Locser Art Fund—

For purchase of photographs and casts of famous works of art (paintings, sculptures and architecture) from originals in various museums or private collections in Europe and America \$10,000.00

Henry K. Sheldon Fund—

For Promotion of Philharmonic and Chamber Music Concerts	9,500.00
--	----------

Law Lectures for Women by Women..... 1,100.00

Polhemus Fund—

For use in caring for and increasing the Polhemus collection of paintings.....	10,000.00
--	-----------

John B. Woodward Memorial Fund—

For the encouragement of American Art, purchase of oil paintings of artists practising their profession in the United States, preference being given to paintings exhibited in some regular exhibition of the work of artists.....	25,000.00
--	-----------

Ella C. Woodward Memorial Fund—

For the purchase of objects of art, vertu and antiquity	25,000.00
--	-----------

<i>Cash in banks, unexpended balances, general and specific purposes</i>	5,560.21
--	----------

\$375,120.11

INVESTMENTS.

First mortgages on real estate in N. Y. City..\$309,886.50

<i>Other investments, including loan of \$13,500 to the Museum Fund Account, less amounts (to the credit of Associate and other Funds) set aside for special disbursements</i>	59,673.40
--	-----------

<i>Cash in Banks</i>	5,560.21
----------------------------	----------

\$375,120.11

ACCESSIONS TO THE MUSEUMS

BOTANY

ACCESSIONS BY GIFT

- ALLEN, JOHN P.,
 8 Specimens of mosses and liverworts from Portuguese Congo-Africa.
- AMES, FRANK H.,
 "Hercules club" (tree, branches, bud, bark, etc.).
- HÜTTLINGER & STRULLER,
 32 Sections of trunks of Haitaian hardwoods.
- VAN HOUTEN Co., C. J.,
 Cocoa exhibit.

ENGINEERING

ACCESSIONS BY LOAN

- HUDSON RIVER DAY LINE Co.,
 Models of "Hendrik Hudson" and "Clermont" steamboats.

ENTOMOLOGY

ACCESSIONS BY GIFT

- BARNES, Master HOWARD,
 7 Specimens South American Butterflies;
 1 Beetle.
- BATHER, W. T.,
 17 Insects (Hymenoptera and Diptera).
- BEST, Dr. LYMAN A.,
 2 Specimens Australian wild silk-moths and cocoons;
 1 Giant grasshopper.

- BEYER, GUSTAV,
 24 Insects (Hymenoptera and Coleoptera).
- CONSTANTINE, ANDREW JACKSON,
 Mahogany beam bored by Teredo, from Aspinwall,
 Panama.
- DAVIS, WILLIAM T.,
 1 *Hyla andersonii* (living) ;
 1 Coleoptera (*Elytroleptus floridanus* Lu.) ;
 7 Insects.
- HERLIHY, JOHN,
 Nest showing the galleries of the Carpenter Bee.
- JOUTEL, L. H.,
 12 Specimens of foreign wild silk-moths' cocoons.
- JUDY, H. B.,
 8 Specimens of Coleoptera.
- KRUGER-WHEAT BOOK Co.,
 1 Worm-eaten book, work of book worm.
- MORRIS, HARRY,
 2 Insects ;
 2 Beetles ;
 1 Mantis (Orthoptera).
- PEARSALL, RICHARD F.,
 20 Specimens of butterflies.
- RIKER, C. B.,
 1 Cocoon containing larvæ of a butterfly.
- WHEELER, W. M.,
 3 Examples of Kalep (*Ectatoma tuberculatum*).
- WILSON, Dr. W. P.,
 1 Skein of artificial silk.

ACCESSIONS BY PURCHASE

- AMERICAN ENTOMOLOGICAL Co.,
 37 Hymenoptera and a wasp nest.

ERB, HERMAN,

4 Specimens of Lepidoptera.

PEARSALL, RICHARD F.,

400 Insects.

SCHUTZ, HEINRICH M.,

20 Nests of Ants, Wasps and Termites.

ACCESSIONS BY EXCHANGE

BUCHHOLZ, OTTO,

27 Lepidoptera.

ETHNOLOGY

ACCESSIONS BY GIFT

BRIDGMAN, H. L.,

2 African wooden figures "Ju Ju."

BRUNN, Miss FRED A. M.,

144 Dolls;

1 Large horn and flags of all nations;

Also ball stand for flags.

DICKINSON, Mrs. R. L.,

2 Gourd rattles;

1 Gourd basket;

1 Small fiddle from Porto Rico;

5 Models of Portuguese peasants.

LADD, EDWARD B.,

About forty-five (45) objects, as per list, from State of Bolivar, Republic of Colombia, including native utensils and a few of Spanish make.

MEYER, Rev. BARNABAS,

Collection of prayer sticks from the Jemez Indians of New Mexico.

NEFF, LOUIS,

1 Indian mortar, dug up at Lebanon Grove, Connecticut, by Ebenezer Barlow.

PUTNAM, Mrs. W. A.,

1 Chilcat blanket.

ROXEY, EDWIN,

1 Bed quilt made from the inner bark of trees (Tapa cloth), by natives of the South Sea Islands.

SCHAFFRANCK, EUGENE,

1 Fruit (gourd) of *Momordica charantia* L.

STUTZER, HERMAN,

1 Indian (?) necklace;

Comanche Indian stone pipes; arrowheads from various localities; silicified wood transforming to opalized.

ACCESSIONS BY PURCHASE

MUSEUM EXPEDITION TO THE SOUTHWEST,

Collection of Ethnological objects from the Jemez Indians of New Mexico, and from the Pomo Indians of California;

2 Indian baskets;

8 Dolls;

15 Masks and pottery; and ethnological objects from Zufii, New Mexico.

FINE ARTS

ACCESSIONS BY GIFT

(A) Paintings

GOTTSBERGER, FRANCIS

4 Framed oil paintings:

"Christ and the Tribute Money;"

"Adoration of the Shepherds;"

"Adoration of the Magi;"

"Death of Queen Dido."

HEARN, GEORGE A.,

2 Oil paintings :

"Landscape," by Alex. T. Van Laer ;

"Landscape," by Cullen Yates.

LEMAN, PETER A.,

3 Oil paintings :

"Landscape," by Henry D. Smith ;

"Old Mill," West Milford, New York, by David Johnson ;

"Landscape in Italy," by Willem DeHeusch.

PRATT, F. B.,

1 Oil painting, "Lake Henderson," by C. D. Hunt.

PRATT, GEORGE D.,

1 Oil painting, "An Interesting Game" (Cairo Café), by F. A. Bridgman.

WHITE, ALFRED T.,

2 Water color paintings, by Henry R. Neuman.

"Daibutsu," great bronze statute of Buddha at Kamakura, Japan.

"Captives of Ramses II," representing an ancient Egyptian relief on the entrance wall of Temple at Abu Simbul, Nubia.

(B) ENGRAVINGS, PHOTOGRAPHS, ETC.

DOW, GEORGE FRANCIS, Essex Institute, Salem, Mass.,

4 Photographs of Historical Type Room in Essex Institute.

GOODYEAR, Prof. WILLIAM H.,

56 Cartoons of survey.

HOLSKE, Miss MARIE M.,

1 Steel engraving of "American Inventors."

PERRET, FRANK A.,

1 Phototype of Temple of Neptune at Paestum.

SANBORN, NESTOR,

- 1 Colored lithograph—cutting in whale—by Russell.

(C) CERAMICS, PORCELAIN AND OTHER ART WORKS.

BRACKETT, GEORGE C., and

WHITE, ALFRED T.,

- Egyptian stele of black syenite.

CHANDLER, Mrs. CATHERINE COOPE,

- 1 Black, hand-made Spanish lace shawl. Date about 1825.

CITIZENS' COMMITTEE OF BROOKLYN,

- 1 Bronze statue of Gen. John B. Woodward.

DE SILVER, CARLL H.,

- 1 Satsuma bowl, with inscription;
- 1 Japanese carved bamboo vase, with teak stand;
- 16 Japanese (pottery) tea bowls;
- 3 Pieces Japanese pottery;
- 1 Japanese fire bowl;
- 1 Case containing fifteen Chinese puzzles and games, mostly carved ivory.

EGYPTIAN EXPLORATION FUND,

- Egyptian antiquities.

GIMPEL, RÉNE,

- 1 Terra cotta medallion with relief portrait of Benjamin Franklin (head and shoulders in profile looking to the left).

PALMER, S. S.,

- Small brass powder flask, dating from the sixties;
- and two Philippine coins, half centavo, one centavo.

PELL, Rev. ALFRED DUANE,

- 13 Pieces:

- 7 pieces glass and 6 pieces porcelain.

SANBORN, NESTOR,

- 1 Chinese pottery bowl, about 15 inches diameter,
Sung Dynasty, 960-1279 A. D.

STERLING PIANO Co.,

- 1 Upright old piano.

UTTER, HERBERT LEE,

- 1 Pair of candle snuffers.

WHITE, ALFRED T.,

- 1 Egyptian stele of sandstone.

ACCESSIONS BY LOAN

(A) Paintings

COTTIER & Co.,

- 4 Oil paintings, by Eugene Delacroix:
"Diana surprised by Akeon;"
"Eurydice gathering flowers;"
"Juno beseeching Aeolus;"
"Bacchus finding Ariadne."

DE HAVEN, FRANK (Painter of the picture),

- 1 Oil painting, "Nightfall."

DE SILVER, CARLL H.,

- 1 Oil painting, "Chrysanthemums," by C. Y. Turner.

FAIRCHILD, Mrs. HORACE J.,

- 1 Oil painting, "Niagara," by Louis Remy Mignot.

GREGORY, CHARLES,

- 1 Oil painting, "Portrait of a woman," by Ferdinand Bol.

HUGHES, WILLIAM S.,

- 1 Oil painting, "Portrait of Gen. John C. Fremont,"
by Charles Loring Elliott.

QUICK, HENRY L.,

- 65 Oil paintings.

SCHIEREN, CHARLES A.,

11 Oil paintings.

(B) Etchings

QUICK, HENRY L.,

26 Etchings.

(C) Ceramics, Etc.

AVERY, S. P.,

77 Cloisonné enamels;

2 Pieces Chinese cloisonné on stands.

BEERS, E. LEGRAND,

2 Malay krisses;

52 Fans, part Oriental, part European;
East Indian and other dolls.

ACCESSIONS BY PURCHASE

(A) Paintings

J. B. WOODWARD MEMORIAL FUND,

2 Oil paintings:

"February," by E. W. Redfield;

"Southfield Marshes," by Frederick W. Kost.

(B) Photographs

MUSEUM EXPEDITION TO NORTHERN FRANCE, 1907,

95 Enlarged photographs from Museum negatives of
Cathedrals in Northern France.

(C) Ceramics

MUSEUM COLLECTION FUND OF 1907,

De Potter collection of Egyptian Antiquities in 9
boxes, and 3 cards of jewelry;

Egyptian antiquities excavated by Henri De Morgan.

GEOLOGY

ACCESSIONS BY PURCHASE

PERRET, FRANK A.,
Volcanic products from Mount Vesuvius.

MINERALOGY

ACCESSIONS BY GIFT

BEINERT, JOHN,
Mexican turquoise.

BRACKETT, GEORGE C.,
Carborundum crystals.

DYER, ALBERT F.,
Specimen of Talcum.

GOURLEY, H. W.,
1 Tourmaline crystal from Alaska;
1 Tourmaline crystal from North Carolina.

NICHOLS, Mrs. O. F.,
Miscellaneous collection of minerals.

PRATT INSTITUTE, TRUSTEES OF,
Collection of rocks.

REEVE, A. L.,
Specimen of cobalt bloom.

SEYMOUR, EDMUND,
2 Specimens Medina sandstone.

STONE, SUMNER R.,
Minerals. Collection of Edwin R. Stone.

ZOOLOGY

ACCESSIONS BY GIFT

AMERICAN MUSEUM OF NATURAL HISTORY,
Model of Right whale;
Model of Sulphur-bottom whale.

BARTLETT, Capt. ROBERT, U.S.S. "Roosevelt,"

3 Young Greenland seals, white coats.

BEEBE, C. WILLIAM,

Tayra (*Galictis barbara*).

BENNETT, PERRY,

Brown bat.

BOWEN, Miss AGNES E.,

4 Shells: *Livonia pica*; *Turbo marmoratus*; *Murex radix*, and polished *Trochus*.

BOWEN, LLOYD,

Chimney Swift.

BRINSMADE, Mrs.,

Hermit Thrush.

BRUNN, ESTATE OF JULIUS W.,

Shells, completing the Julius Brunn collection.

CARMICHAEL, Miss MARGARET W.,

Parrot in the flesh from the Amazon River, South America.

CONNOLLY, JOHN,

Wood Pewee in the flesh.

DAILEY, Mrs. A. H.,

3 Teeth of whale.

DAVENPORT, Dr. CHARLES B.,

2 White-crested black Polish fowl (living);

1 Old Squaw Duck;

1 Aseel fowl (taken for skeleton);

3 Fowl: Jungle, Indian game, and born wingless.

DENLEY, CHARLES F.,

2 Skins of European partridge;

7 Birds.

DONOHUE, JAMES,

Young Alligator (living).

- DUNCOFF, Mrs.,
12 Mounted birds, in case.
- ECHERT, Master JACK,
1 Gray squirrel (living).
- ELLISON, Mrs. EMMA C.,
11 Birds.
- ENGELHARDT, GEORGE P.,
1 Red-shouldered hawk;
2 Specimens of Flying Squirrel (one living).
- ESCABAR, F.,
Tropical birds.
- GRINNELL, JOSEPH,
43 Cabinet skins and skulls of mammals.
- HARVEY, JOHN, care of Harvey & Co.,
14 Whalebones from Humpback, Finback and Sie
Whales.
- HEINS, HENRIETTA,
1 Reef Gecko.
- HOWE, Master ROBERT,
1 Living Alligator.
- HOWELL, WILSON,
Living specimens and seaweed for salt water
aquarium.
- HOYLE, Dr. WILLIAM E., Director, Manchester Museum,
1 Rook (stuffed).
- HUGHES, JAMES,
1 Sea Angler (*Lophius piscatorius*).
- HUNTINGTON, JAMES,
1 Sword of large swordfish.
- KERSHAW, EUGENE,
1 Pitcher encrusted with oysters.

KNOX, HENRY,

1 Hoary bat (living).

LAMB, ADA B.,

1 Flying Squirrel.

MARINE, WILLIAM,

1 Woodcock in the flesh.

MARTIN, Prof. D. S.,

16 Shells from New York and vicinity (for local collection).

MATHESON, Mrs. R. T.,

3 Teeth of Indian Elephant;

1 Tooth of Sperm whale;

1 Barred owl;

1 Tetrodon skin;

1 Piece of coral.

MATAUSCH, IGNAZ,

1 Collection of shells, with names, but without data.

McLAUGHLIN, RICHARD,

1 Living black rabbit.

MOORE, JAMES,

1 Pair of living rabbits.

MURPHY, ROBERT C.,

40 Skins of Long Island birds.

NEW YORK ZOÖLOGICAL SOCIETY,

1 Penguin;

1 Wallaby;

1 Monkey Marmoset;

2 Crocodiles in the flesh;

1 Specimen of Monitor in the flesh from Portuguese Congo-Africa;

21 Specimens of Amphibians and reptiles;

1 Adult male polar bear.

NICHOLS, Mrs. O. F.,

Miscellaneous collection of minerals, shells, etc.

NORTH AMERICAN COMMERCIAL CO.,

2 Skins of adult white fox;

2 Skins of adult blue fox;

2 Skins of young blue fox.

PEAVEY, ROBERT W.,

1 Living specimen of Round worm (Gordius).

ROBINSON, Major WIRT, U.S.A.,

4 Cave rats.

ROXEY, EDWIN,

1 Ostrich egg, decorated by an English sailor.

SKIDMORE, Mrs. G. H.,

4 Gold fishes (living).

STONE, SUMNER R.,

Invertebrates. Collection of Edwin R. Stone.

STUART, Dr. FRANCIS H.,

1 Six-rayed star fish;

1 Venus flower basket.

SUSSMAN, MAX,

1 Brown Creeper.

TOMPKINS, Mrs. G. V.,

40 Eggs of birds.

THUROWSKI, K.,

1 Ten-pound shell from Iona Island Explosion.

UNITED STATES NATIONAL MUSEUM,

2 *Amblystoma tigrinum*.

WELKER, Master WILLIAM,

1 Saw-whet owl (living).

WOOD, Miss E. S.,

1 Yellow-bellied Woodpecker (in the flesh).

WOODWARD, R. B.,

- I Group of Steller's Sea Lions: Male, Female, yearling, 2 young.

ZARTMANN, W. J.,

- I Broad-winged and sharp-shinned hawks;
- I Female Raccoon (in the flesh).

ACCESSIONS BY PURCHASE

CLUNIS, F. L.,

- I Albino muskrat;
- I Mounted Fisher.

GRAHAM NATURAL HISTORY FUND,

- I Cast of *Ceratodus*.

MUSEUM COLLECTION FUND OF 1907,

- I Cast of Dolphin;
- (2) The Charles A. Dayton Collection of shells—mostly marine—about 3,700 species, 20,000 specimens.

SYKES, J. A.,

- 116 Birds from British Guiana.

WARD'S NATURAL SCIENCE ESTABLISHMENT,

- Group of four bats, 3 young;
- Three tree frogs, showing color phases;
- Group of six skunks;
- Cast of Great White Shark.

WEBSTER CO., FRANK BLAKE,

- 2 Skins of native birds;
- 12 Eggs of Alligators and Turtles.

LAURIAT CO., CHAS. E.,

- Plates from Audubon's "Birds of America," Elephant folio, 1860 edition.

MUSEUM EXPEDITION TO SOUTH AMERICA,

- 7 Boxes containing skins of birds, reptiles, nests, etc.; Young Hoatzins, 3 beetles and 1 roach.

ACCESSIONS BY EXCHANGE

COALE, H. K.,

12 Bird skins;

2 Skins of Farralone rail;

17 Bird skins from the Western United States.

PUBLIC MUSEUM OF MILWAUKEE,

1 Nest of *Furnarius rufus* Gmel.ACCESSIONS—CHILDREN'S MUSEUM LIBRARY
FROM JULY 1, 1907, to JUNE, 28, 1908.

By purchase	324
By gift	30
Bound periodicals and pamphlets.....	79
<hr/>	
Total number of books added.....	433
Number in Library July 1, 1908.....	5,465

RECENT ACTS OF THE LEGISLATURE AFFECT- ING THE INSTITUTE.

CHAPTER 618 OF THE LAWS OF 1906

AN ACT

To amend chapter five hundred and nine of the laws of eighteen hundred and ninety-seven, entitled "An Act to provide for the establishment of a Botanic Garden and Arboretum on park lands in the City of Brooklyn and for the care of the same."

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

SECTION 1. Chapter five hundred and nine of the laws of eighteen hundred and ninety-seven, entitled "An Act to provide for the establishment of a Botanic Garden and Arboretum on park lands in the City of Brooklyn and for the care of the same" is hereby amended so as to read as follows:

§ 1. The Park Commissioner of the City of Brooklyn is hereby authorized and required to set apart and appropriate all that portion of Prospect Park bounded northerly by the Eastern Parkway, easterly by Washington avenue, southerly by the line formerly dividing the City of Brooklyn from the late Town of Flatbush, and westerly by Flatbush avenue, excepting only such lands as have been reserved for the Prospect Hill reservoir, as have been leased to the Brooklyn Institute of Arts and Sciences, and as have been set apart and designated by the Mayor and Park Commissioner of the City of Brooklyn as a site for the Brooklyn Public Library, for the establishing and maintaining thereon of a Botanic Garden and Arboretum for the collection and culture of plants, flowers, shrubs and trees, the advancement of botanical science and knowledge, and the prosecution of original researches therein and in kindred subjects; for affording instruction in the same, and for the

prosecution and exhibition of ornamental and decorative horticulture and gardening, and for the entertainment, recreation and instruction of the people, and the said lands so set apart and appropriated shall be used for no other purposes than those authorized by this act.

§ 2. Whenever the Brooklyn Institute of Arts and Sciences, incorporated by chapter one hundred and seventy-two of the laws of eighteen hundred and ninety, shall have raised or secured by private subscription the sum of fifty thousand dollars within one year from the passage of this act, the principal of which or the income thereof to be set apart and used by the said Institute for the purchase of plants, flowers, shrubs and trees, to be set out in said Botanic Garden or Arboretum, the Board of Estimate and Apportionment of the City of New York on the recommendation of the Board of Commissioners of Public Parks of said City of New York is hereby authorized in its discretion to enter into an agreement on behalf of said City with the said Brooklyn Institute of Arts and Sciences for the establishing and maintaining by said Institute of a Botanic Garden and Arboretum upon such terms and conditions as may be agreed to, on any or all the lands mentioned in section one of this act, excepting thereout the lands designated as a site for a public library by chapter five hundred and fifty-three of the laws of nineteen hundred and five, and on any of the lands lying between Washington avenue and Flatbush avenue acquired by the City of New York and bounded northerly by the line formerly dividing the old City of Brooklyn from the late town of Flatbush, easterly by Washington avenue and southerly and westerly by Flatbush avenue. The plans for the said Botanic Garden and Arboretum shall be subject to the approval of the said Board of Park Commissioners. And said Board of Commissioners is there-

upon hereby authorized to construct and equip, upon the lands designated in said agreement and according to plans to be approved by them and by the Trustees of said Institute, suitable plant houses for the care and culture of tender or other plants, indigenous or exotic, and rooms for instruction in botany, the use of same upon completion to be transferred to the said Brooklyn Institute of Arts and Sciences for the purposes stated in this act; and for the purpose of providing means therefor it shall be the duty of the Comptroller of the City of New York, upon being thereto requested by the said Commissioners, and upon being authorized thereto by the Board of Estimate and Apportionment and the Board of Aldermen of said City, to issue and sell corporate stock of the City of New York in the manner now provided by law aggregating the sum of one hundred thousand dollars.

§ 3. No intoxicating liquors shall be sold or allowed on the grounds set apart as above provided. For police purposes and for the maintenance of proper roads and walks, the said grounds shall remain subject at all times to the Control of said Board of Commissioners of the Department of Parks; but otherwise, after the completion of said planhouses and rooms, and the construction of proper roads and walks therein by the Department of Parks, the said grounds and buildings shall be under the management and control of said Brooklyn Institute of Arts and Sciences. Said grounds shall be open and free to the public daily, including Sundays, subject to such restrictions only as to hours as the proper care, culture and preservation of the said garden may require; and its education and scientific privileges shall be open to all alike, male and female, upon such necessary regulations, terms and conditions as shall be prescribed by the Board of Trustees of said Institute and approved by said Board of Commissioners of the Department of Parks.

§ 4. The Board of Estimate and Apportionment and the Board of Aldermen of the City of New York on the making of an agreement as provided in paragraph two of this act, are hereby authorized on the recommendation of the said Park Board Commissioners, in their discretion, to appropriate annually a sum or sums of money for the care and maintenance by said Institute of said Botanic Garden and Arboretum and of the planthouses and rooms for instruction erected thereon.

§ 5. This act shall take effect immediately.

OFFICE OF THE SECRETARY OF STATE, }
STATE OF NEW YORK, } ss.:

I have compared the preceding with the original law, and do hereby certify that the same is a correct transcript therefrom, and the whole of said original law.

Given under my hand and the seal of office
of the Secretary of State, at the City of Albany,
[SEAL] this 16th day of June, in the year one thousand
nine hundred and six.

(Signed) HORACE G. TENNANT,
Second Deputy Secretary of State.

CHAPTER 637 OF THE LAWS OF 1906 AN ACT

To authorize a change in the site of the Astronomical Observatory of the Brooklyn Institute of Arts and Sciences and to provide for the erection and maintenance of said Observatory.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

§ 1. The Board of Estimate and Apportionment of the City of New York is hereby authorized in its discretion, upon the recommendation of the Board of Park

Commissioners of said City, and with the consent of the Board of Trustees of the Brooklyn Institute of Arts and Sciences, to designate and set apart a site for the Astronomical Observatory of the Brooklyn Institute of Arts and Sciences within the limits of those park lands lying between the site of the Museum of said Institute and Flatbush avenue, which were authorized and required to be set apart under chapter five hundred and nine of the laws of eighteen hundred and ninety-seven, and any amendments thereof, for a Botanic Garden and Arboretum under the supervision of said Brooklyn Institute of Arts and Sciences. And the said site when so designated shall be deemed a substitute for and in lieu of the site shown on the plans of the Museum of said Institute heretofore approved by the Mayor and Park Commissioner of the late City of Brooklyn.

§ 2. Whenever the Brooklyn Institute of Arts and Sciences, incorporated by chapter one hundred and seventy-two of the laws of eighteen hundred and ninety, shall have raised or secured by private subscription the sum of twenty-five thousand dollars within six months from the passage of this act, the principal of which or the income thereof to be set apart and used by said Institute for the equipment of said Astronomical Observatory with apparatus suitable for the giving of instruction in astronomy, the Board of Park Commissioners of said City of New York is hereby authorized to construct and equip upon the site designated under the authority of this act, in accordance with the plans to be approved by said Park Commissioners and by the Trustees of said Institute, an Astronomical Observatory. And for the purpose of providing means therefor it shall be the duty of the Comptroller of the City of New York, upon being authorized thereto by the Board of Estimate and Apportionment and the Board of Aldermen of said City, upon the request of

CHAPTER 43

AN ACT to amend the Greater New York Charter, in relation to appropriations to the Brooklyn Institute of Arts and Sciences.

Became a law, March 12, 1907, with the approval of the Governor.

Passed, three-fifths being present.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

SECTION 1. Subdivision four of paragraph two of section two hundred and thirty of the Greater New York Charter, as re-enacted by Chapter four hundred and sixty-six of the laws of nineteen hundred and one, is hereby amended as follows:

4. The Brooklyn Institute of Arts and Sciences.

§ 2. This act shall take effect immediately.

STATE OF NEW YORK,
OFFICE OF THE SECRETARY OF STATE, } ss.:

I have compared the preceding with the original law on file in this office, and do hereby certify that the same is a correct transcript therefrom, and the whole of said original law.

[SEAL] GIVEN under my hand and the seal of office of the Secretary of State, at the City of Albany, this third day of July, in the year one thousand nine hundred and seven.

(Signed) JAMES L. WHALEN,
Deputy Secretary of State.

CHAPTER 120 OF THE LAWS OF 1907

AN ACT to authorize the erection of a fireproof children's museum building in the Borough of Brooklyn, City of New York, in place of the present building, and the designation or acquisition of a site therefor, and to provide for the care and maintenance of the same.

Became a law, April 3, 1907, with the approval of the Governor.

Passed, three-fifths being present.

Accepted by the city.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

SECTION 1. The City of New York, acting by its Board of Estimate and Apportionment, is hereby authorized at its discretion to cause to be constructed and equipped in or near Bedford Park, in the Borough of Brooklyn, City of New York, by the Park Commissioner of the Boroughs of Brooklyn and Queens in said city, a suitable fireproof children's museum building on a site to be designated by said Board of Estimate and Apportionment upon the recommendation of said Park Commissioner and with the approval of the Board of Trustees of the Brooklyn Institute of Arts and Sciences, incorporated by chapter one hundred and seventy-two of the laws of eighteen hundred and ninety, and upon plans and specifications to be approved by said Park Commissioner and said Board of Trustees of said Institute, at an aggregate cost not exceeding one hundred and seventy-five thousand dollars. And for the purpose of providing means therefor, it shall be the duty of the Comptroller of the City of New York, upon being authorized thereto by the Board of Estimate and Apportionment, and the Board

of Aldermen of said city, to issue and to sell corporate stock of the City of New York in the manner now provided by law, aggregating the sum of one hundred and seventy-five thousand dollars.

§ 2. And the said City of New York, acting by the Board of Estimate and Apportionment, is hereby authorized to enter into an agreement on the recommendation of the Board of Park Commissioners of the said city with the said Brooklyn Institute of Arts and Sciences for the continuance, development, administration and maintenance of a children's museum in the said fireproof children's museum by said Institute for the benefit of the residents of said city, and especially for the instruction of students in the public and private schools of said city upon such terms and conditions as shall be set forth in said agreement. Upon the completion of said children's museum building, the use of the same shall be transferred to said Institute, to be used by it for a children's museum, and when so transferred the collections made by the said Institute and now contained in the present children's museum building shall be transferred to the new children's museum building and be there arranged and increased by said Institute. And the cost of the annual maintenance of said children's museum shall be defrayed by the said City of New York as provided by sections six hundred and thirteen and six hundred and twenty-four of the Greater New York Charter, as contained in Chapter four hundred and sixty-six of the laws of nineteen hundred and one, and as may be provided in said agreement.

§ 3. And in case the Board of Estimate and Apportionment shall not designate as a site for said children's museum building any portion of said Bedford Park, then the said Board of Estimate and Apportionment is hereby authorized in its discretion to acquire title by pur-

chase to such site in the immediate neighborhood of Bedford Park as may be approved by said Park Commissioner and by the Board of Trustees of said Institute, in the manner provided by chapter twenty-one of the said Greater New York Charter. And the said site when so acquired shall be deemed a part of the park lands of the said City of New York, and shall be under the jurisdiction of the Board of Park Commissioners of said city. And for the purpose of providing means for the purchase of such site it shall be the duty of the Comptroller of the said city, upon being authorized thereto by the said Board of Estimate and Apportionment and the said Board of Aldermen, to issue and sell corporate stock of the City of New York in the manner now provided by law to an amount sufficient to defray the cost of such site.

§ 4. This act shall take effect immediately.

STATE OF NEW YORK,
OFFICE OF THE SECRETARY OF STATE, } ss.:

I have compared the preceding with the original law on file in this office, and do hereby certify that the same is a correct transcript therefrom, and the whole of said original law.

[SEAL] Given under my hand and the seal of office of the Secretary of State, at the City of Albany, this ninth day of July, in the year one thousand nine hundred and seven.

(Signed) JAMES L. WHALEN,
Deputy Secretary of State.

CHAPTER 515 OF THE LAWS OF 1907

AN ACT

To authorize the City of New York to acquire lands on Prospect Heights in the Borough of Brooklyn as sites for public buildings and to provide for the establishment and maintenance of public educational institutions.

Accepted by the City.

Became a law, June 17, 1907, with the approval of the Governor.

Passed, three-fifths being present.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

SECTION 1. The Board of Estimate and Apportionment of the City of New York is hereby authorized in its discretion to acquire title to any or all of the lands unimproved at the time of the passage of this act, located on Prospect Heights in the Borough of Brooklyn in the said city not already the property of the city and included within the city blocks designated on the Kings County land map authorized by chapter three hundred and sixty-five of the laws of eighteen hundred and ninety-four, and filed in the office of the Register of Kings County on December fifteenth, eighteen hundred and ninety-four, and known as numbers eleven hundred and seventy, eleven hundred and seventy-one, eleven hundred and seventy-two, eleven hundred and seventy-six, eleven hundred and seventy-nine, and eleven hundred and eighty, and also city lots numbers thirty-five to forty-one, inclusive, improved or unimproved, in the block known on said map as number ten hundred and sixty-six, as sites for public buildings for educational, judiciary, administrative and other public purposes.

§ 2. The Board of Estimate and Apportionment is hereby further authorized in its discretion to designate and set apart on such lands as may be acquired by the city under section one of this act, together with other lands already owned by the city included within the said blocks numbered on said map eleven hundred and seventy-one, eleven hundred and seventy-two and eleven hundred and seventy-nine, sites for public buildings from time to time as they may be required in the interest of the city.

§ 3. For the purpose of providing means for the purchase or acquisition of lands described in section one of this act, it shall be the duty of the Comptroller of the said City of New York, upon being authorized thereto by the said Board of Estimate and Apportionment of said city, to issue and to sell corporate stock of the City of New York in the manner now provided by law, and in such sum or sums as shall be determined by the said Board of Estimate and Apportionment.

§ 4. And the said Board of Estimate and Apportionment is hereby further authorized to enter into an agreement or into agreements with any corporation or corporations now existing or that may hereafter be created for educational purposes, on such terms and conditions as may be expressed in such agreement or agreements, for the establishment and maintenance of one or more public educational institutions or parts thereof, upon sites designated in pursuance of section two of this act; provided nevertheless that no building or buildings shall be erected upon such sites until suitable plans and specifications therefor shall have been submitted to and approved by the said Board of Estimate and Apportionment and by the Art Commission of said city; and also provided that such educational institution or institutions, or parts thereof, shall be free, open and accessible to the general public under such regulations

and on such terms of admission as may be approved by the said Board of Estimate and Apportionment.

§ 5. This act shall take effect immediately.

STATE OF NEW YORK,
OFFICE OF THE SECRETARY OF STATE, } ss.:

I have compared the preceding with the original law on file in this office, and do hereby certify that the same is a correct transcript therefrom, and the whole of said original law.

[SEAL] GIVEN under my hand and the seal of office of the Secretary of State, at the City of Albany, this third day of July, in the year one thousand nine hundred and seven.

(Signed) JAMES L. WHALEN,
Deputy Secretary of State.

BROOKLYN TRUST COMPANY

Chartered 1866

MAIN OFFICE

177-179 Montague St.

BEDFORD BRANCH

1205 Fulton St., cor. Bedford Ave.

Manhattan Office: 90 Broadway, cor. Wall St.

CAPITAL, \$1,000,000

SURPLUS (earned), \$2,177,984

The Brooklyn Trust Company is the sixth oldest in the City of New York and the oldest by fifteen years in the Borough of Brooklyn. Its strength and conservatism insure safety to its depositors. Its long experience in the execution of various trusts commends it for appointment as

EXECUTOR, TRUSTEE, GUARDIAN OR ADMINISTRATOR

Trustees

Thomas T. Barr
Samuel W. Boocock
George W. Chauncey
William N. Dykman
William Hester
Francis L. Hine

William A. Jamison
David H. Lanman
Frank Lyman
Theodore F. Miller
Willis L. Ogden
Joseph E. Owens
John J. Pierpont

Charles M. Pratt
George G. Reynolds
Charles A. Schieren
Edward M. Shepard
J. H. Walbridge
Alexander M. White
Willis D. Wood

Executive Committee

Francis L. Hine, *Chairman*

Thomas T. Barr
Alexander M. White
Frank Lyman

Samuel W. Boocock
Charles A. Schieren
Theodore F. Miller

Theodore F. Miller, *President*

Samuel W. Boocock, }
Alexander M. White, } *Vice-Presidents*

Stanley W. Husted, *Secretary*

David H. Lanman, *Treasurer*

Frank J. W. Diller,

Willis McDonald, Jr., }

Horace W. Farrell, }

Assistant Secretaries

Advisory Committee, Bedford Branch

Eugene F. Barnes John McNamee William McCarroll John C. Richard
Edward Lyons C. O. Brinckerhoff, *Manager*



THE BROOKLYN ACADEMY OF MUSIC
VIEW LOOKING DOWN LAFAYETTE AVENUE

The Peoples Trust Company

Capital and Surplus, \$2,500,000

Main Office 181-183 MONTAGUE ST.
Bedford Branch . . . BEDFORD AVE. & HALSEY ST.
Wallabout Branch . . . CLINTON & MYRTLE AVES.

OFFICERS

PRESIDENT

Charles A. Boody

VICE-PRESIDENTS

J. G. Dettmer

Horace J. Morse

SECRETARY

Charles L. Schenck

ASSISTANT SECRETARIES

Henry M. Heath

J. Frank Birdsell

William A. Fischer

Clarence I. McGowan

TRUSTEES

Charles A. Boody
David A. Boody
Amory S. Carhart
William M. Cole
Wm. C. Courtney
J. G. Dettmer
Charles M. Englis
William H. Good
Edward M. Grout
William E. Harmon
William B. Hill

Solomon W. Johnson
James Jourdan
Adrian T. Kiernan
W. Eugene Kimball
James McMahon
Horace J. Morse
Herbert L. Pratt
Clarence W. Seamans
Howard M. Smith
Casimir Tag
George P. Tangeman

Wm. H. Ziegler

INTEREST ALLOWED ON DEPOSITS

SAFE DEPOSIT VAULTS

of the most modern construction. Safes at five dollars and upward per year.

STORAGE ACCOMMODATIONS

at reasonable rates by the month or year for trunks, packages, etc., containing silverware and other valuables.

Long Island Loan and Trust Co.

"TEMPLE BAR,"

44 Court Street, Brooklyn, N. Y.

CAPITAL, - - - - \$1,000,000.00
Surplus and Profits, \$2,000,000.00

DEPARTMENTS: { Banking. Trust. Safe Deposit.
Letters of Credit. Foreign Exchange.

Interest Allowed on Daily Balances

EDWARD MERRITT, President
CLINTON L. ROSSITER, First Vice-President
DAVID G. LEGGET, Second Vice-President
FREDERICK T. ALDRIDGE, Secretary
WILLARD P. SCHENCK, Assistant Secretary

TRUSTEES:

Edward D. White	Frank L. Babbott	Clinton L. Rossiter
Edward Merritt	Theodore F. Jackson	Martin Joost
Frank Lyman	John F. Halsted	John Englis
David G. Legget	David H. Valentine	William V. Hester
Seymour L. Husted, Jr.	Clinton D. Burdick	Frederick T. Aldridge
Walter St. John Benedict	George S. Ingraham	John H. Emanuel, Jr.
Seth L. Keeney	Henry F. Noyes	Howard O. Wood

KINGS COUNTY TRUST COMPANY

342, 344 & 346 Fulton St., Brooklyn, N. Y.

Capital, Surplus and Undivided Profits, over \$2,350,000.00

OFFICERS

JULIAN D. FAIRCHILD.....President
WILLIAM HARKNESSVice President
D. W. McWILLIAMS.....Vice President
JULIAN P. FAIRCHILD.....Vice President
THOMAS BLAKESecretary
WILLIAM J. WASON, Jr. Assistant Secretary
J. NORMAN CARPENTER.....Trust Officer

Kings County Trust Company

Acts as Executor, Administrator, Trustee, Guardian, Receiver, Committee
of the Insane, Transfer Agent, and Registrar for Corporations.
Designated by the general terms of the Supreme and City Courts as a
Legal Depository for Estate Funds.

TRUSTEES

John Arbuckle	William Harkness	Charles A. O'Donohue
A. Abraham	Joseph Huber	Charles E. Perkins
Geo. V. Brover	H. K. Knapp	Dick S. Ramsay
Roswell Eldridge	Whitman W. Kenyon	H. B. Scharmann
Julian D. Fairchild	Joseph Liebmann	Wm. V. R. Smith
Julian P. Fairchild	D. W. McWilliams	W. M. Van Anden
Joseph P. Grace	James McGovern	John R. Williams.
John Good	Cord Meyer	

Interest allowed on daily balances. Special rates on time deposits

The NASSAU TRUST COMPANY

BROADWAY AND BEDFORD AVE.
Also 356-358 FULTON ST.
Brooklyn, N. Y. City

Capital and Undivided Profits over \$1,000,000.00

**INTEREST PAID ON DAILY BALANCES, AND SPECIAL
RATES ON TIME DEPOSITS**

Accounts of Individuals, business firms, corporations, estates, etc., invited

ANDREW T. SULLIVAN, - - - - - *President*

WILLIAM DICK, }
JOHN TRUSLOW, } - - - - - *Vice-Presidents*
EDWARD T. HORWILL, }

HARRY F. BURNS, - - - - - *Secretary*

FRANCIS WEEKES, }
C. WOODWORTH, } - - - - - *Asst. Secretaries*

TRUSTEES

A. D. Baird
Jost Moller
William Dick
James H. Post
F. D. Mollenhauer
Henry Roth
N. F. Brady

Charles H. Russell
Geo. B. Gallagher
Edward T. Hulst
John V. Jewell
James A. Sperry
Andrew T. Sullivan
John Truslow

Herbert F. Gunnison
Henry Selbert
E. B. Tuttle
F. W. Wurster
Edward T. Horwill
Bernard Gallagher

Letters of Credit and Bankers' Money Orders Issued

HAMILTON TRUST COMPANY

No. 191 MONTAGUE STREET

Capital, - - - - - \$500,000.00

Surplus and undivided Profits, - \$901,755.56

**Interest on Accounts subject to Check payable through N.Y. Clearing House
Special Rates on Time Deposits.**

A GENERAL TRUST CO. BUSINESS TRANSACTED

OFFICERS

WILLARD E. EDMISTER.....*President*
WILLIAM BERRI*Vice-President*
W. C. HUMSTONE*Vice-President*
GEORGE HADDEN*Vice-Pres. and Secy.*
ROBT S. GIRLING, }
JOSEPH C. HECKER, Jr. } *Assist. Secretaries*

TRUSTEES

William Berri
L. Horatio Biglow
Ezra D. Bushnell
David F. Butcher
Eversley Childs
Charles Cooper
Jullius B. Davenport.

Frederick H. Ecker
George Hadden
John R. Hegeman
W. C. Humstone
John C. McGuire
Eugene F. O'Connor
John N. Partridge

Thos. E. Pearsall
Fred. H. Pouch
F. Sullivan Smith
Millard F. Smith
Wm. V. R. Smith
Henry N. Whitney
Timothy L. Woodruff

LETTERS OF CREDIT—TRAVELERS' CHECKS

MECHANICS BANK

Montague and Court Streets

Fifth Avenue Branch	Fifth Avenue and Ninth Street
Schermerhorn Branch	Schermerhorn Street near Third Avenue
Twenty-sixth Ward Branch	Atlantic and Georgia Avenues
Central Branch	Flatbush, Fourth and Atlantic Avenues
Broadway Branch	1365 Broadway

OFFICERS

GEORGE W. CHAUNCEY, President	ARTHUR P. SMITH,
HORACE C. DU VAL, Vice-Pres.	Cashier Schermerhorn Branch
CHARLES G. BALMANNO,	J. K. ALEXANDER,
Vice-Pres. and Cashier	Cashier 26th Ward Branch
WM. J. BENNETT, Asst. Cashier	ALEX. S. INGRAM,
HARRY M. DE MOTT, Asst. Cashier	Cashier Central Branch
ISAAC SIMONSON,	FRANCIS L. KETCHAM,
Cashier Fifth Avenue Branch	Cashier Broadway Branch

DIRECTORS

George W. Chauncey	William Baylis	John V. Jewell
Daniel Chauncey	Timothy S. Williams	J. T. E. Litchfield
David H. Valentine	Joseph E. Owens	Charles G. Balmano
Horace C. Du Val	Frank A. Selle	William E. Harmon
James Jourdan	James Raymond	Charles H. Russell
Daniel D. Whitney	Daniel W. McWilliams	

THE LARGEST BANK ON LONG ISLAND
ACCOUNTS SOLICITED

The Nassau National Bank OF BROOKLYN

Organized, January, 1859

Garfield Building

Capital, \$750,000

Surplus, \$875,000

Designated Depository of the United States

Accounts Solicited

Every facility furnished Depositors which their balances and condition
justify

THOMAS T. BARR, Pres.	DANIEL V. B. HEGEMAN, Cashier
ROBT B. WOODWARD, Vice-Pres.	G. FOSTER SMITH, Asst. Cashier
EDGAR McDONALD, 2d Vice-Pres.	JOHN W. SEAMAN, Asst. Cashier

DIRECTORS

Alex. M. White	Carli H. De Silver	Edgar McDonald
Rob't B. Woodward	Thomas T. Barr	Walter V. Cranford
Frank Bailey	Chas. A. Schleren	Daniel V. B. Hegeman
Crowell Hadden	Frank Lyman	Howard W. Maxwell
	George S. Ingraham	

Manufacturers,' Merchants' and Personal Accounts are Solicited

ESTABLISHED 1888

Franklin



TR

166 Mo

140 Br

A deposit

estates a

to act

other

and

HUGH D. A.
UNION N. F.
JOSEPH E. F.
WILLIAM A.
GATES D. F.
CROWELL
EDWARD S.
HENRY H. F.
HENRY C. F.
WILLIAM F.
WILLIAM F.
EDWIN S. F.
ALBRO J. F.

STOR

and

SAFE D

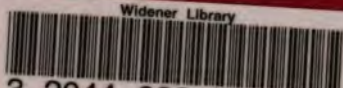
Street.

This book should be returned to the Library on or before the last date stamped below.

A fine of five cents a day is incurred by retaining it beyond the specified time.

Please return promptly.

Widener Library



3 2044 082 531 906